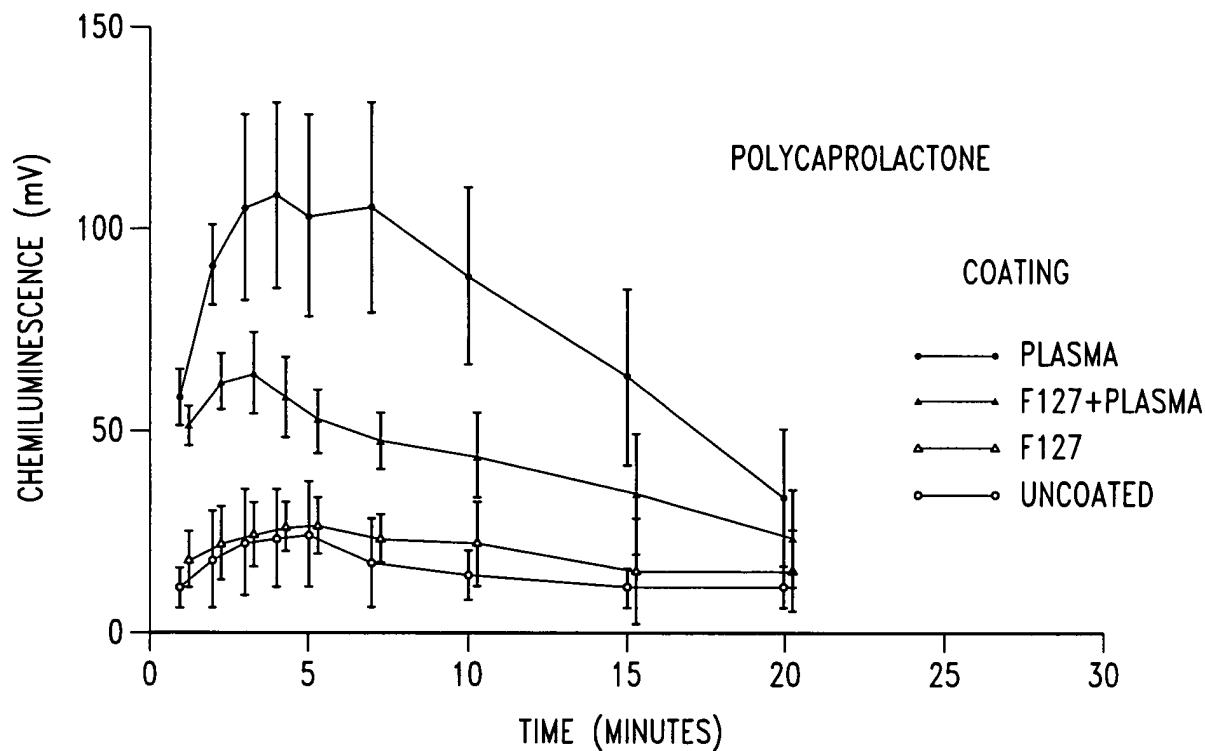
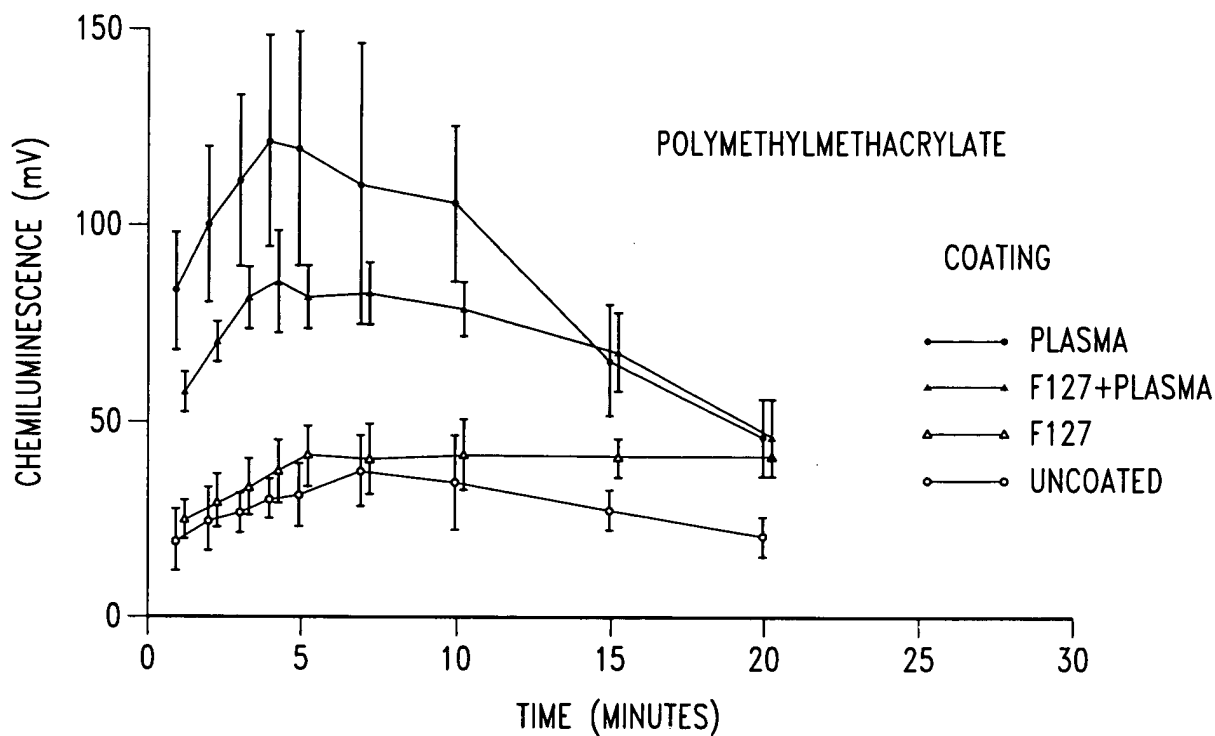


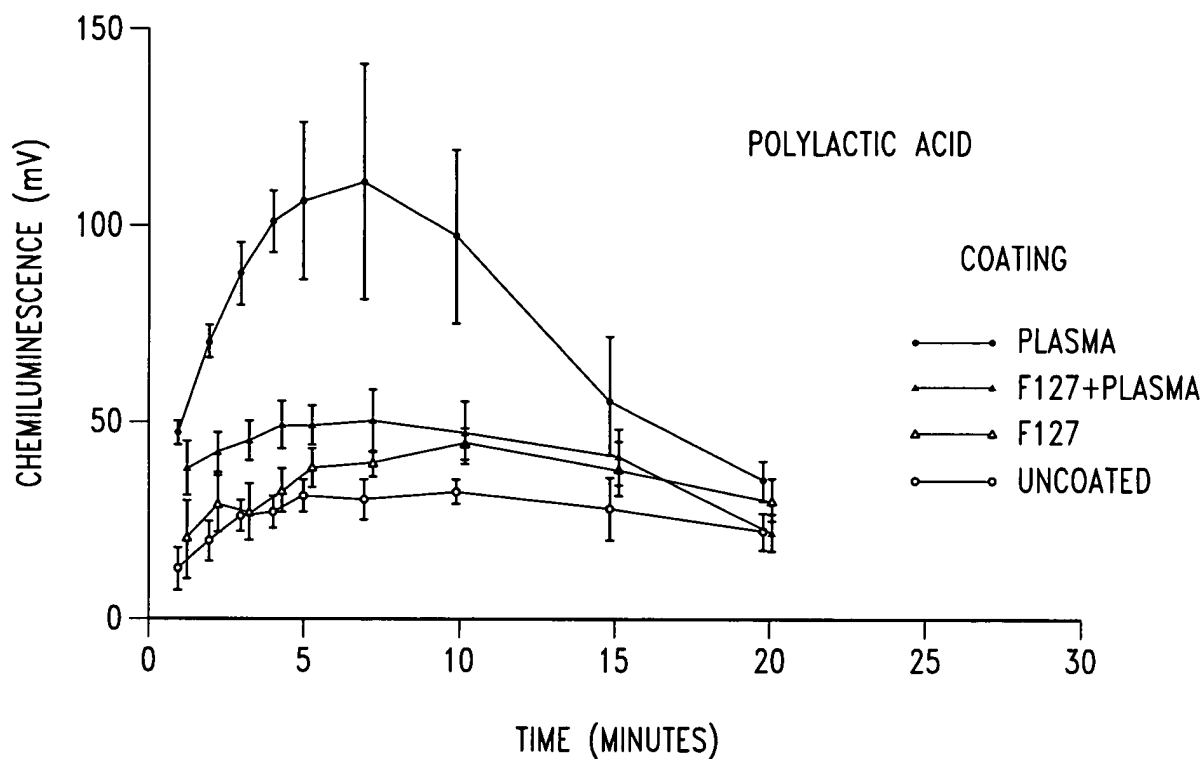
*Fig. 1*



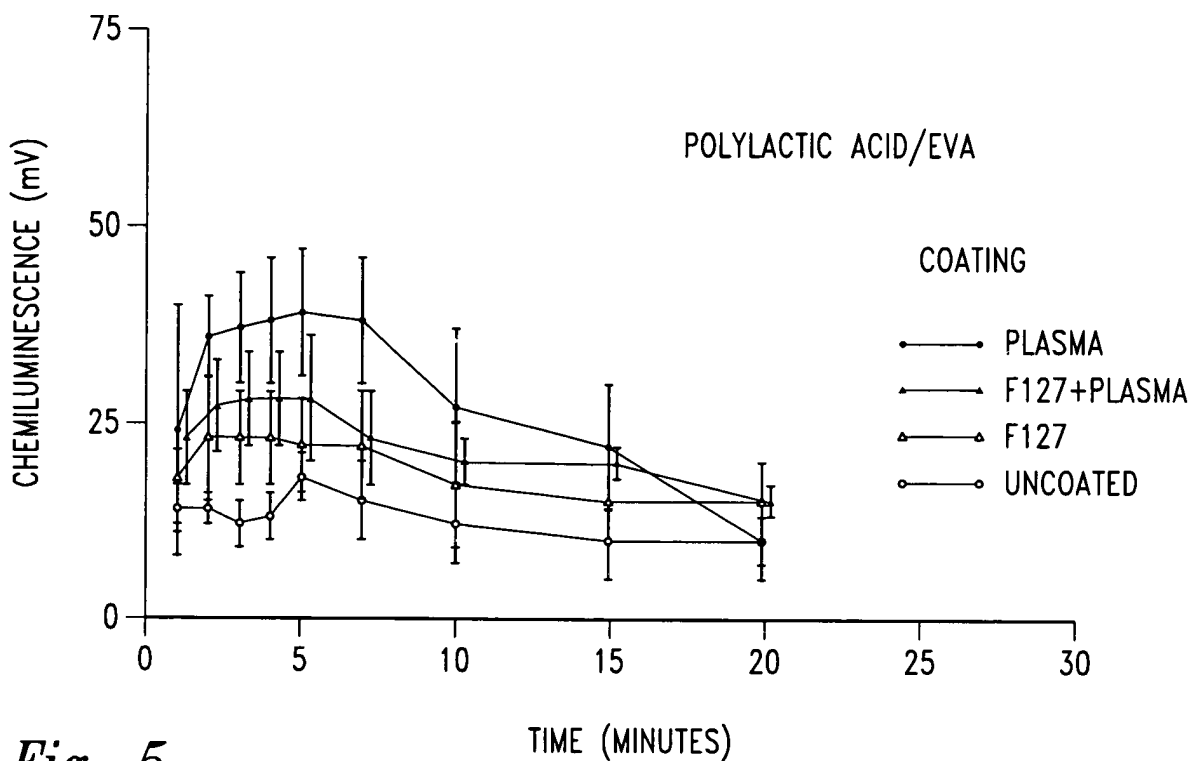
*Fig. 2*



*Fig. 3*



*Fig. 4*



*Fig. 5*

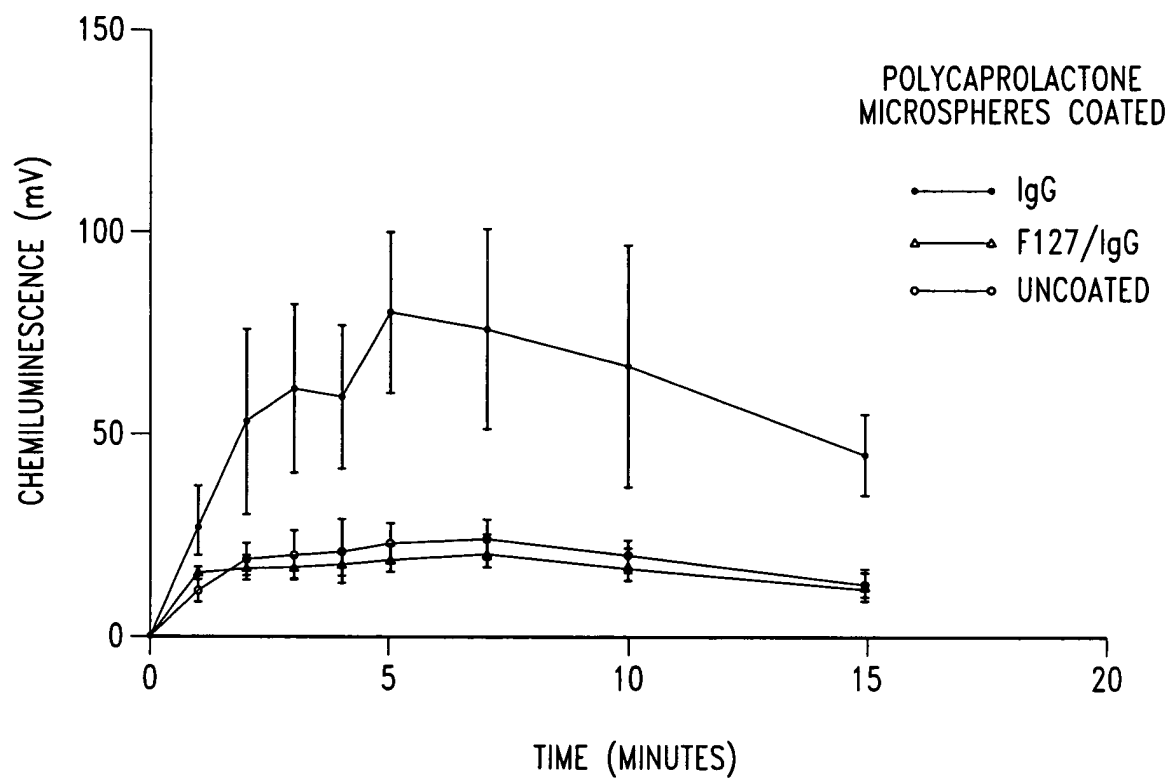


Fig. 6

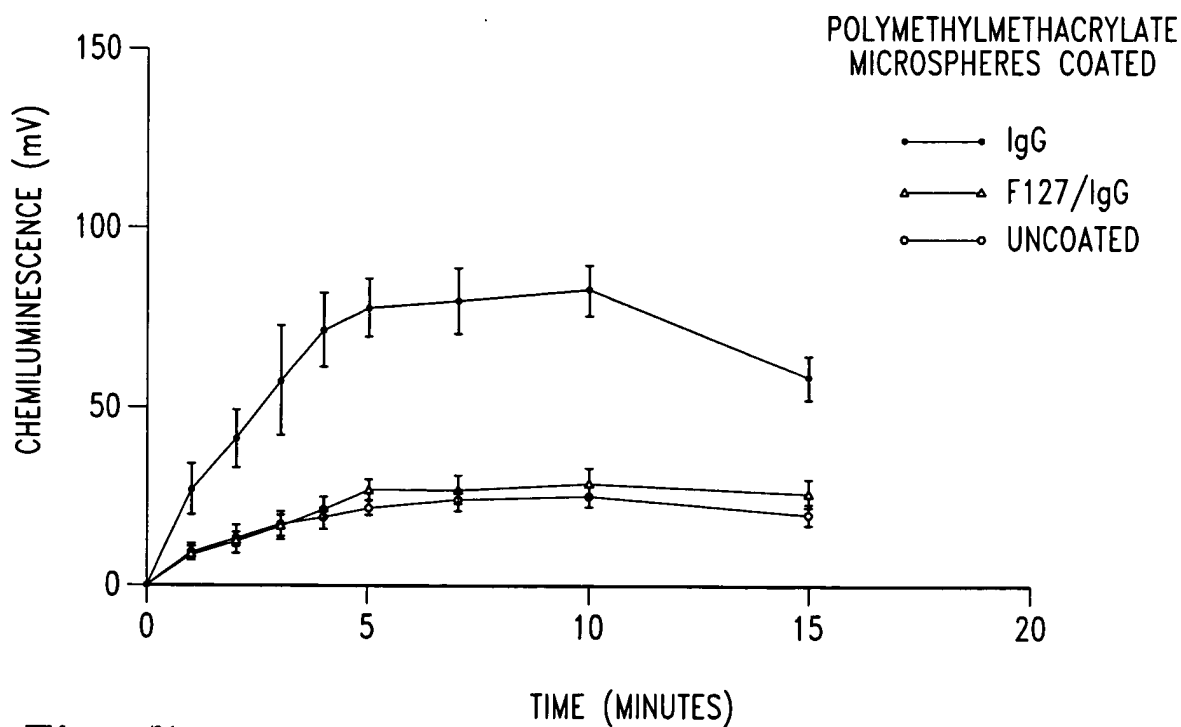
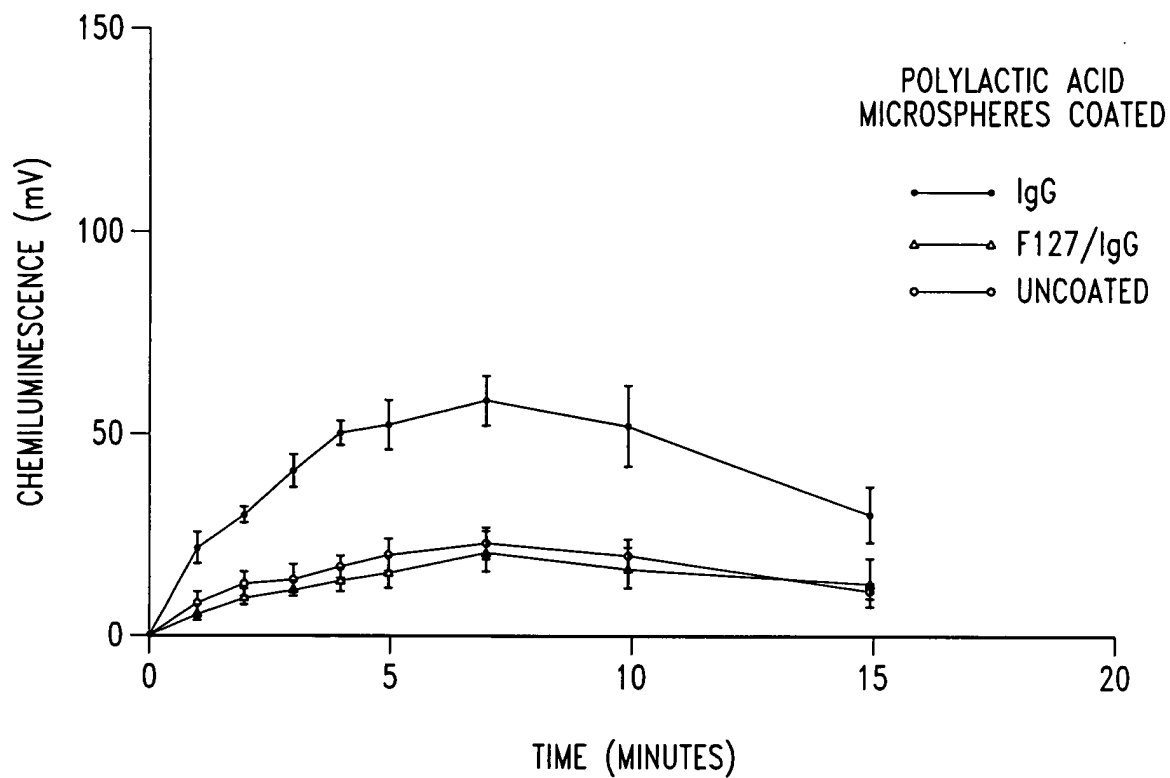
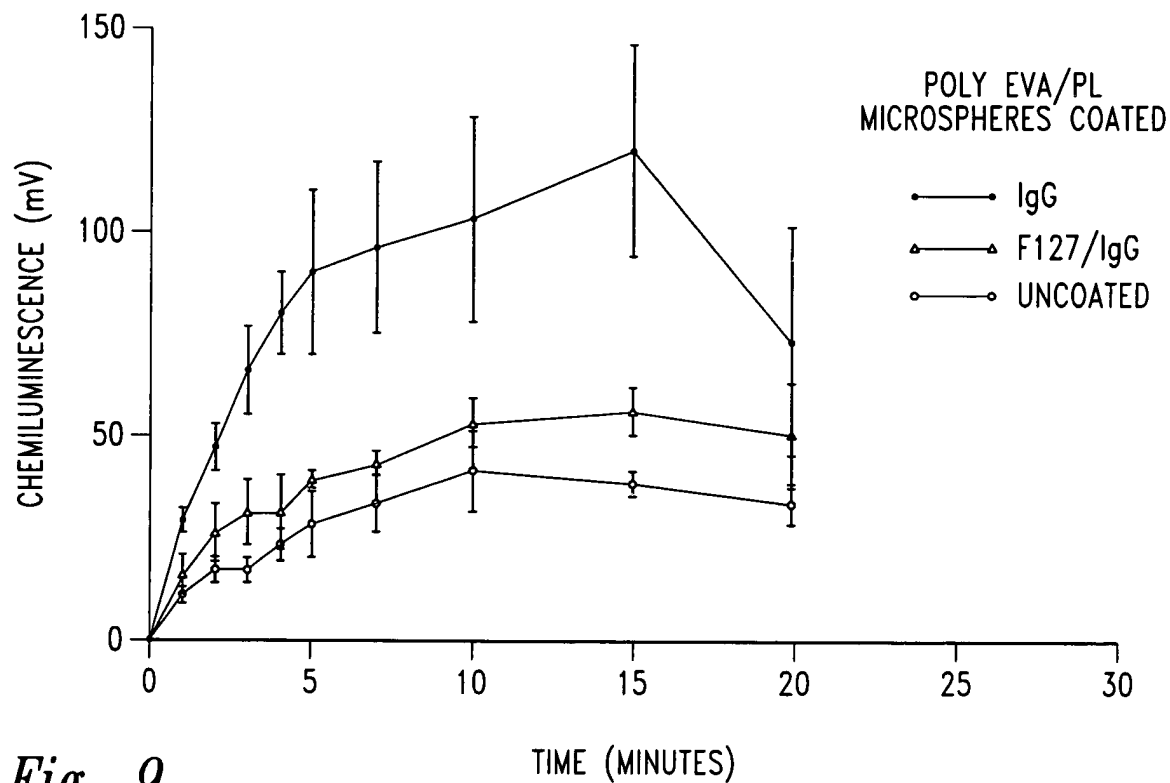


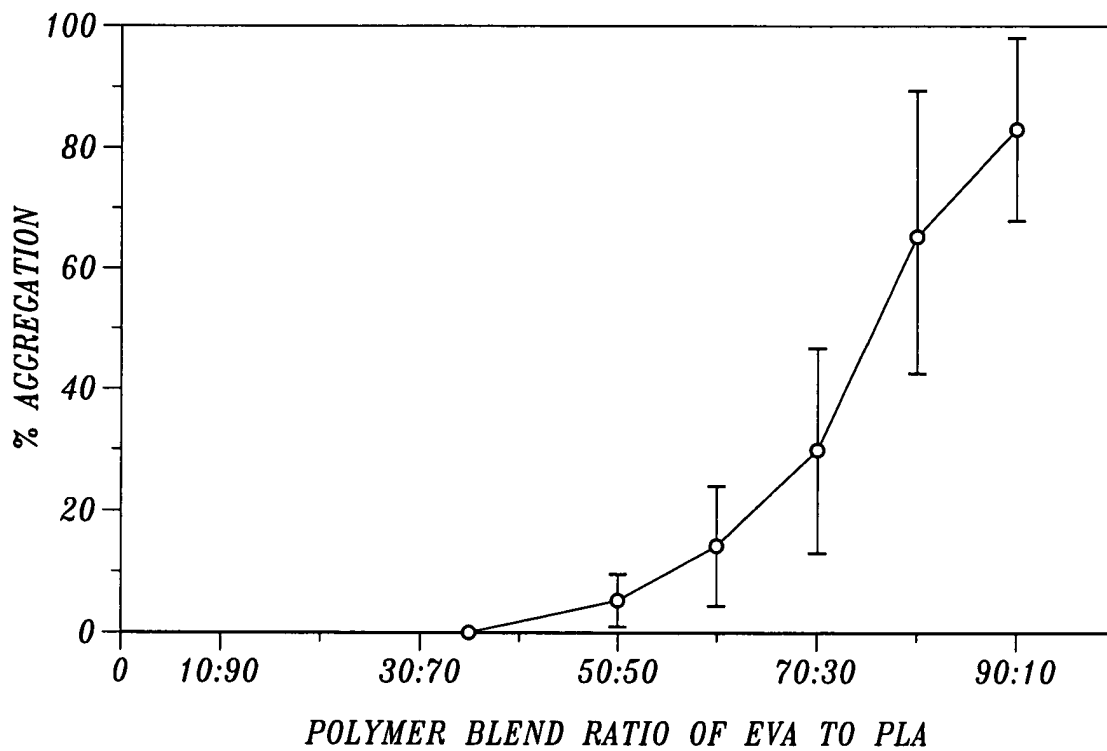
Fig. 7



*Fig. 8*



*Fig. 9*



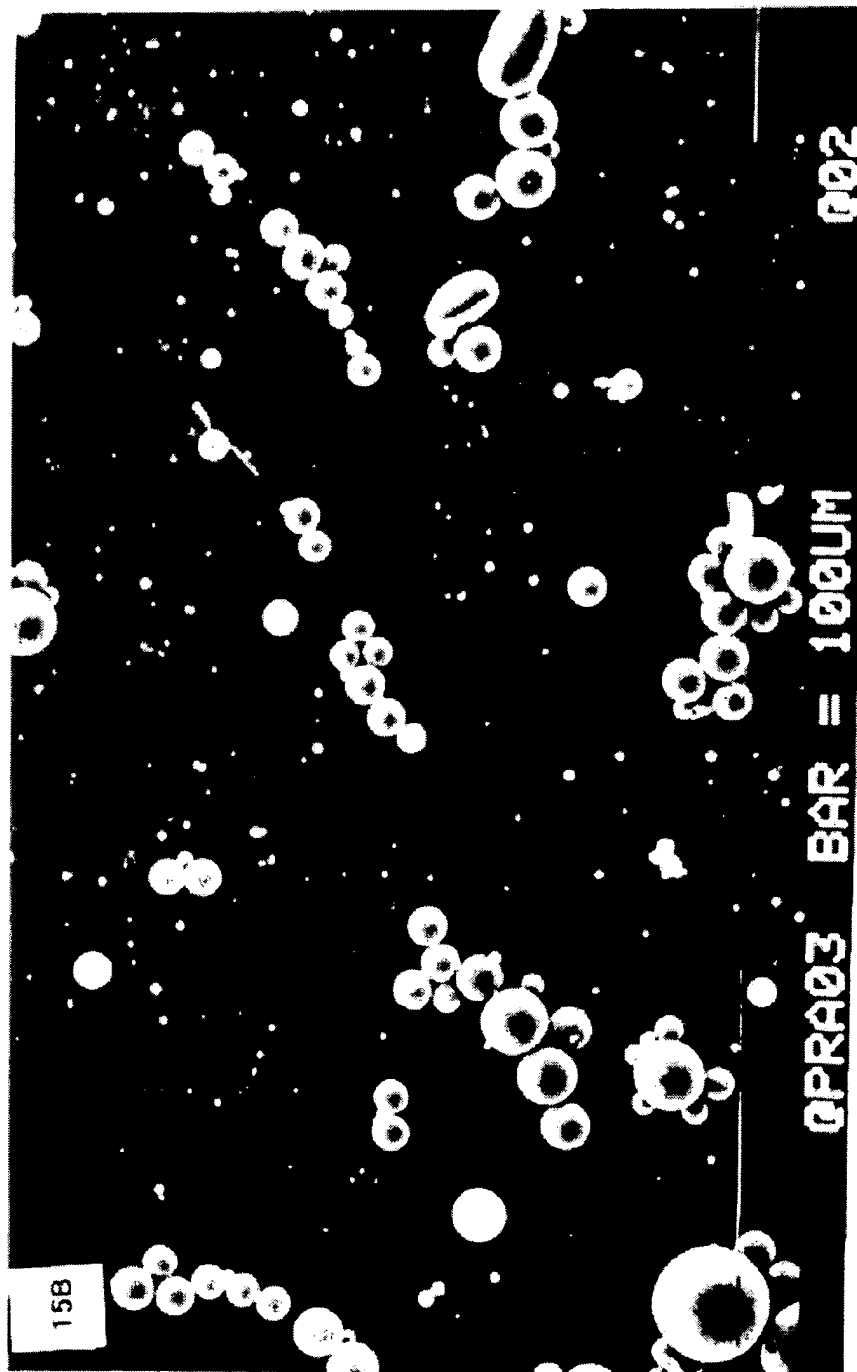
*Fig. 10A*

Title: COMPOSITIONS AND METHODS FOR TREATING OR PREVENTING DISEASES OF BODY PASSAGEWAYS

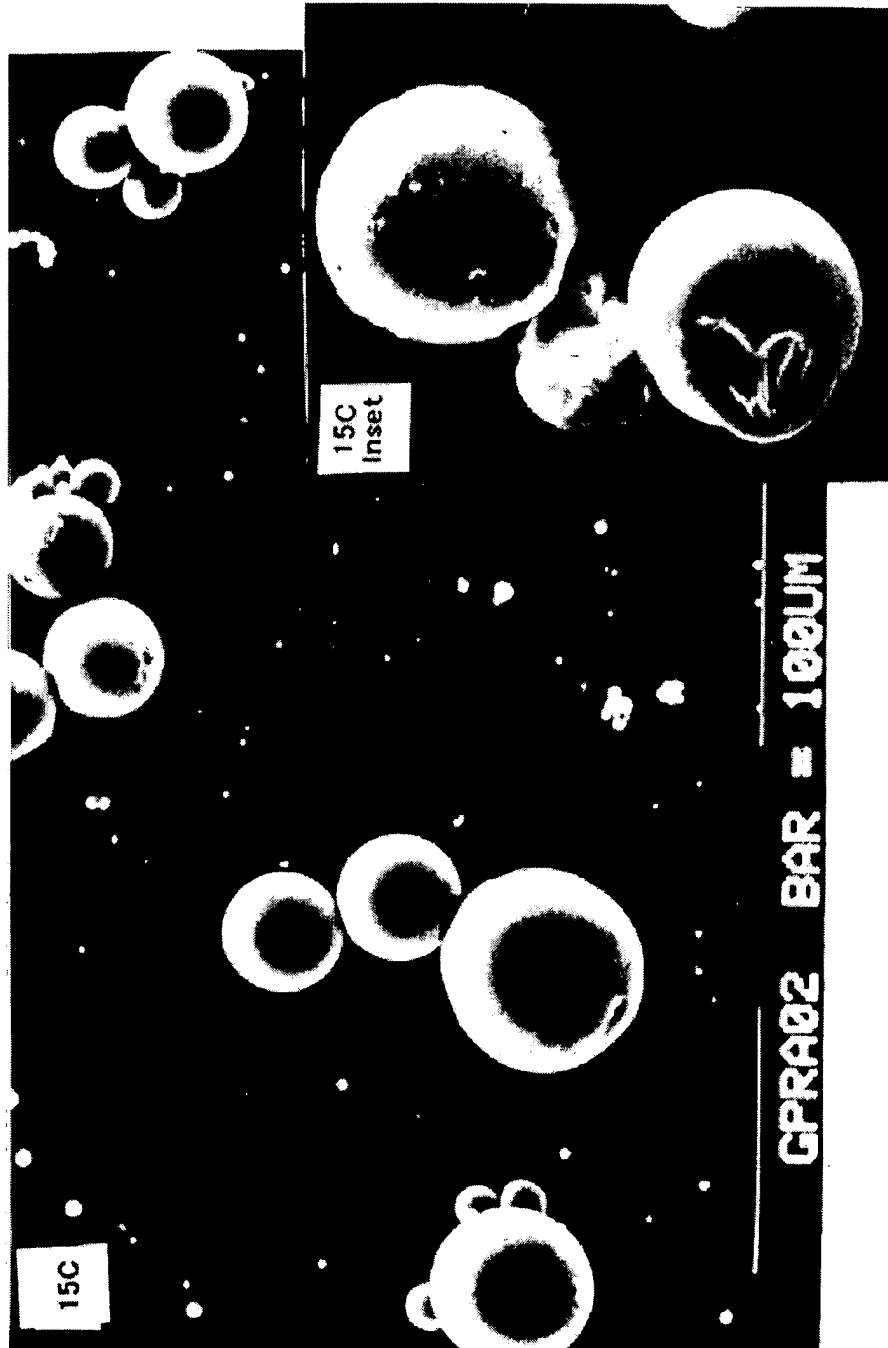
Inventor(s): William L. Hunter and Lindsay S. Machan

Express Mail No. EV348170571US

Docket No. 110129.405C3

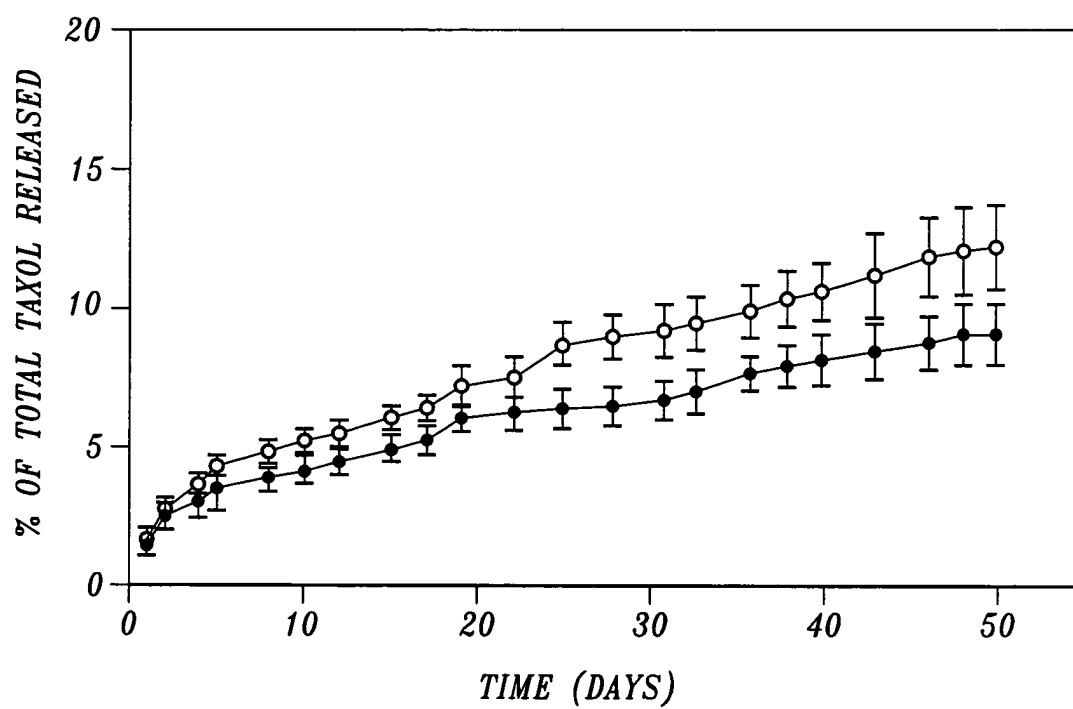


*Fig. 10B*



*Fig. 10C*





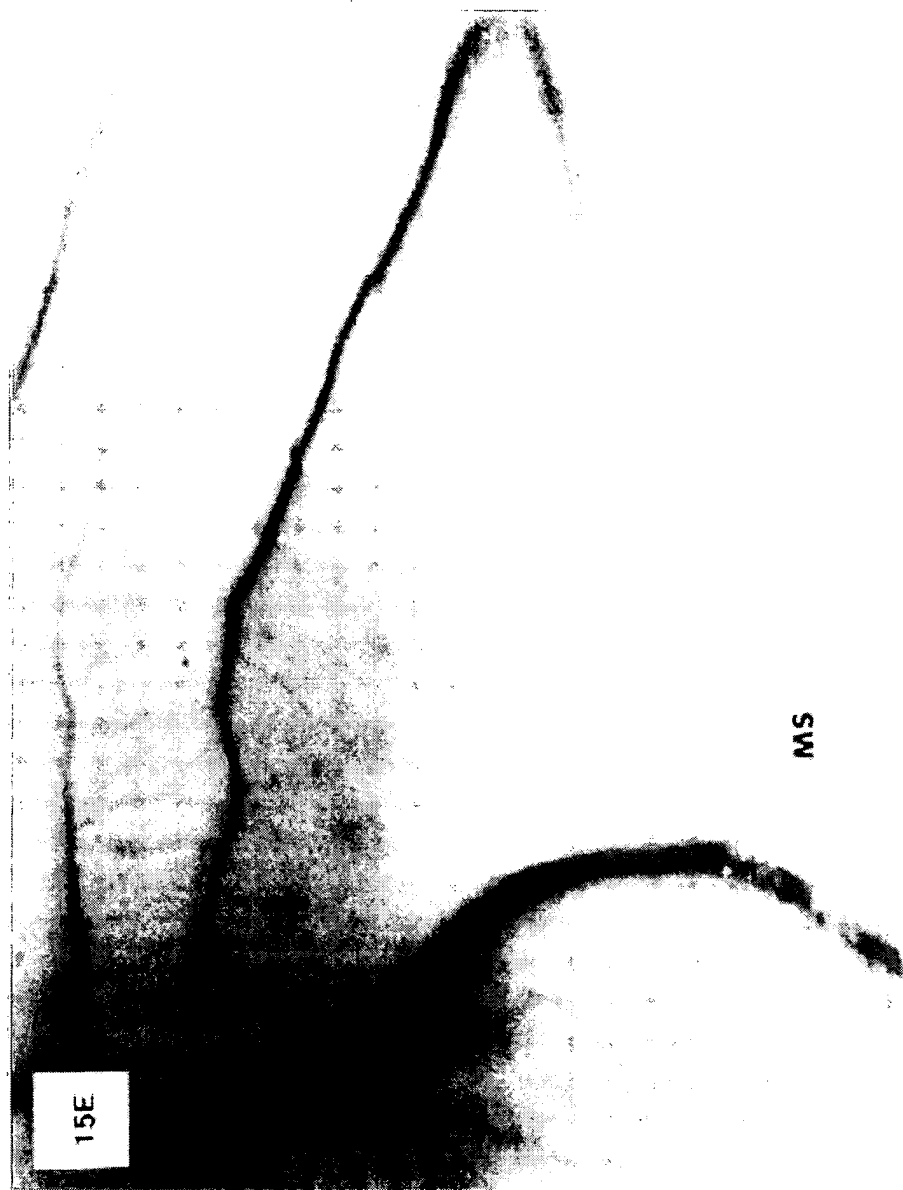
*Fig. 10D*

Title: COMPOSITIONS AND METHODS FOR TREATING OR PREVENTING DISEASES OF BODY PASSAGEWAYS

Inventor(s): William L. Hunter and Lindsay S. Machan

Express Mail No. EV348170571US

Docket No. 110129.405C3



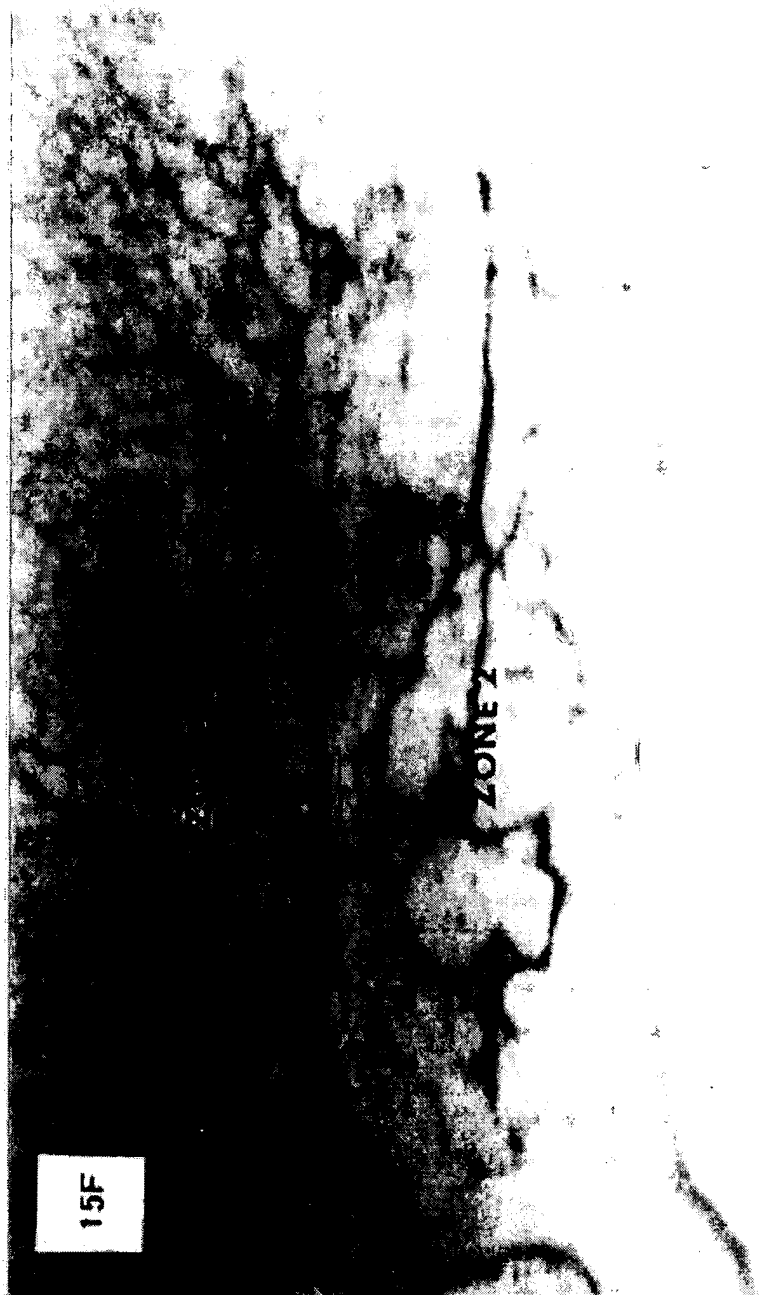
*Fig. 10E*

Title: COMPOSITIONS AND METHODS FOR TREATING OR PREVENTING DISEASES OF BODY PASSAGEWAYS

Inventor(s): William L. Hunter and Lindsay S. Machan

Express Mail No. EV348170571US

Docket No. 110129.405C3



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*Fig. 10F*

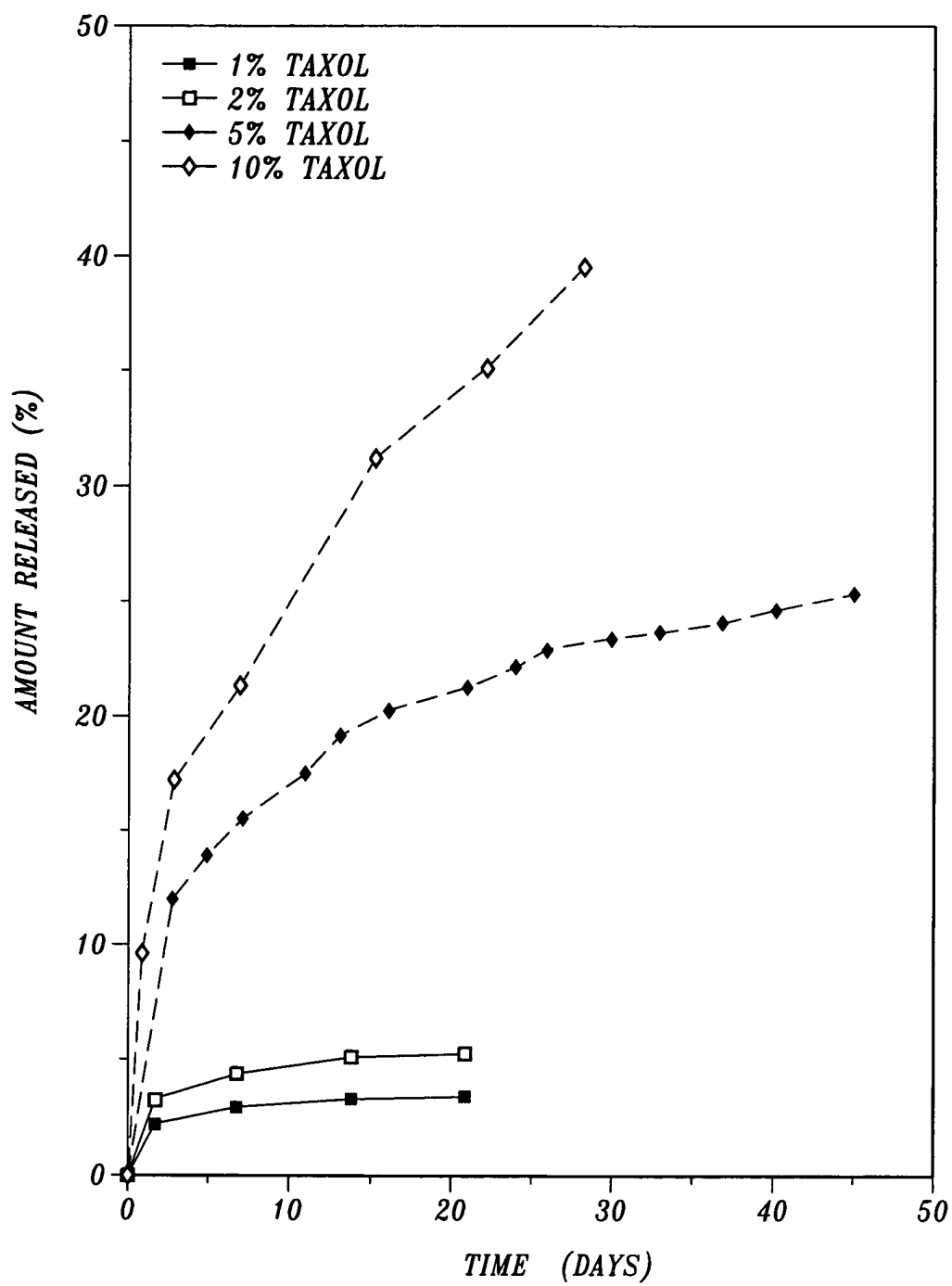
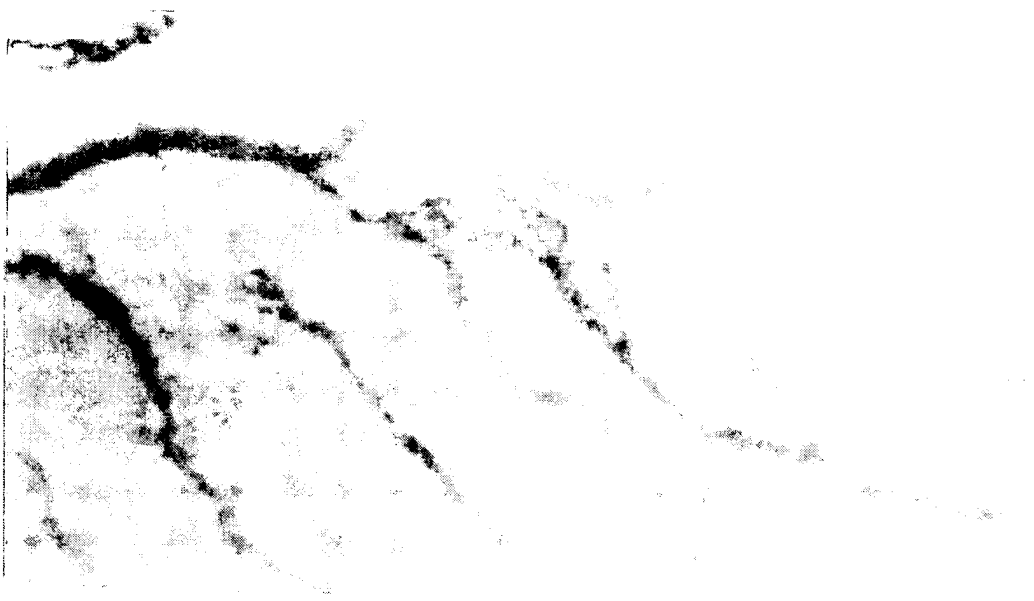
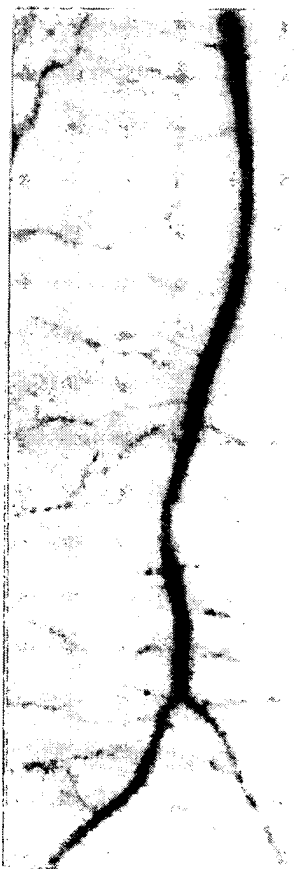


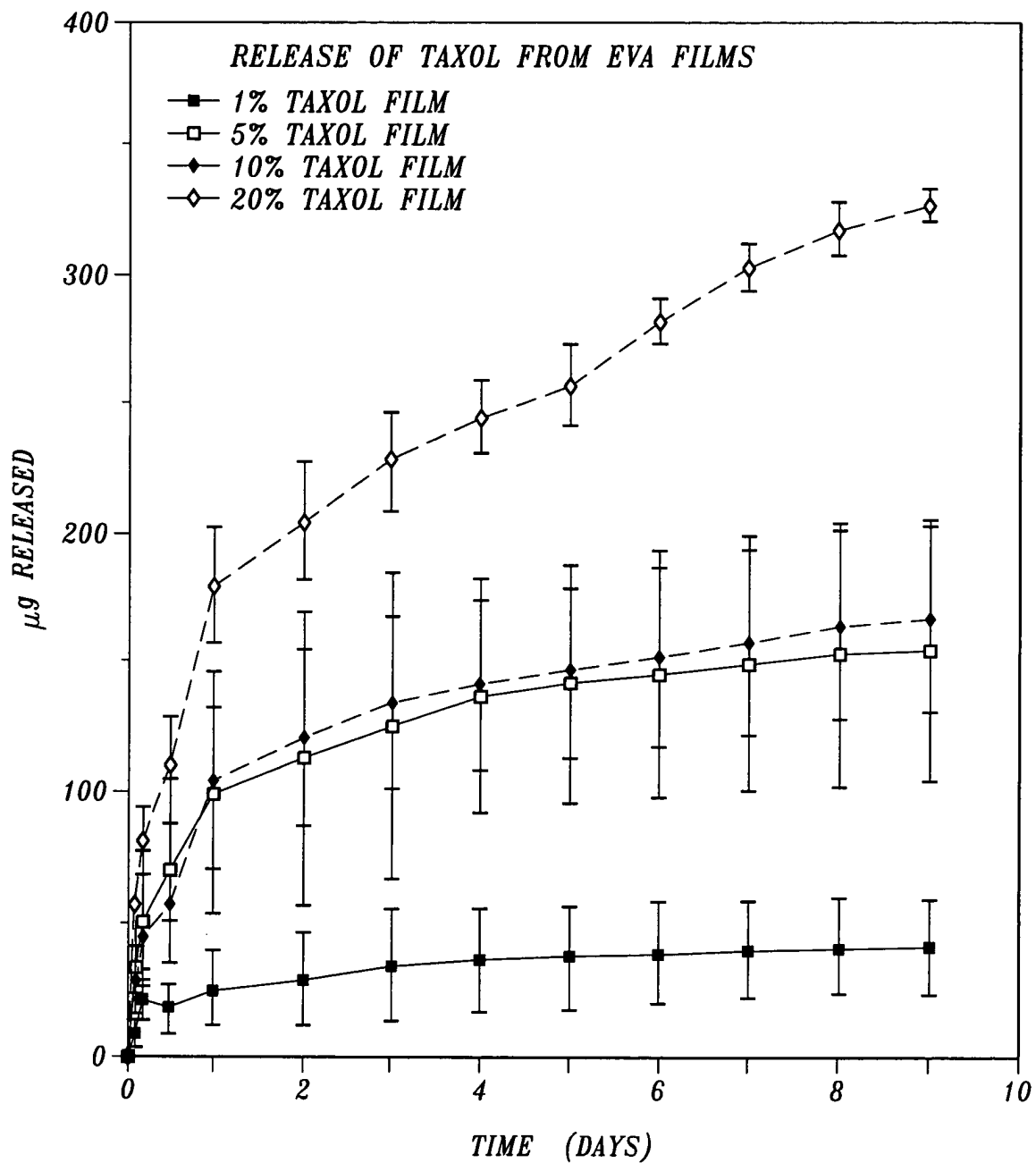
Fig. 11A



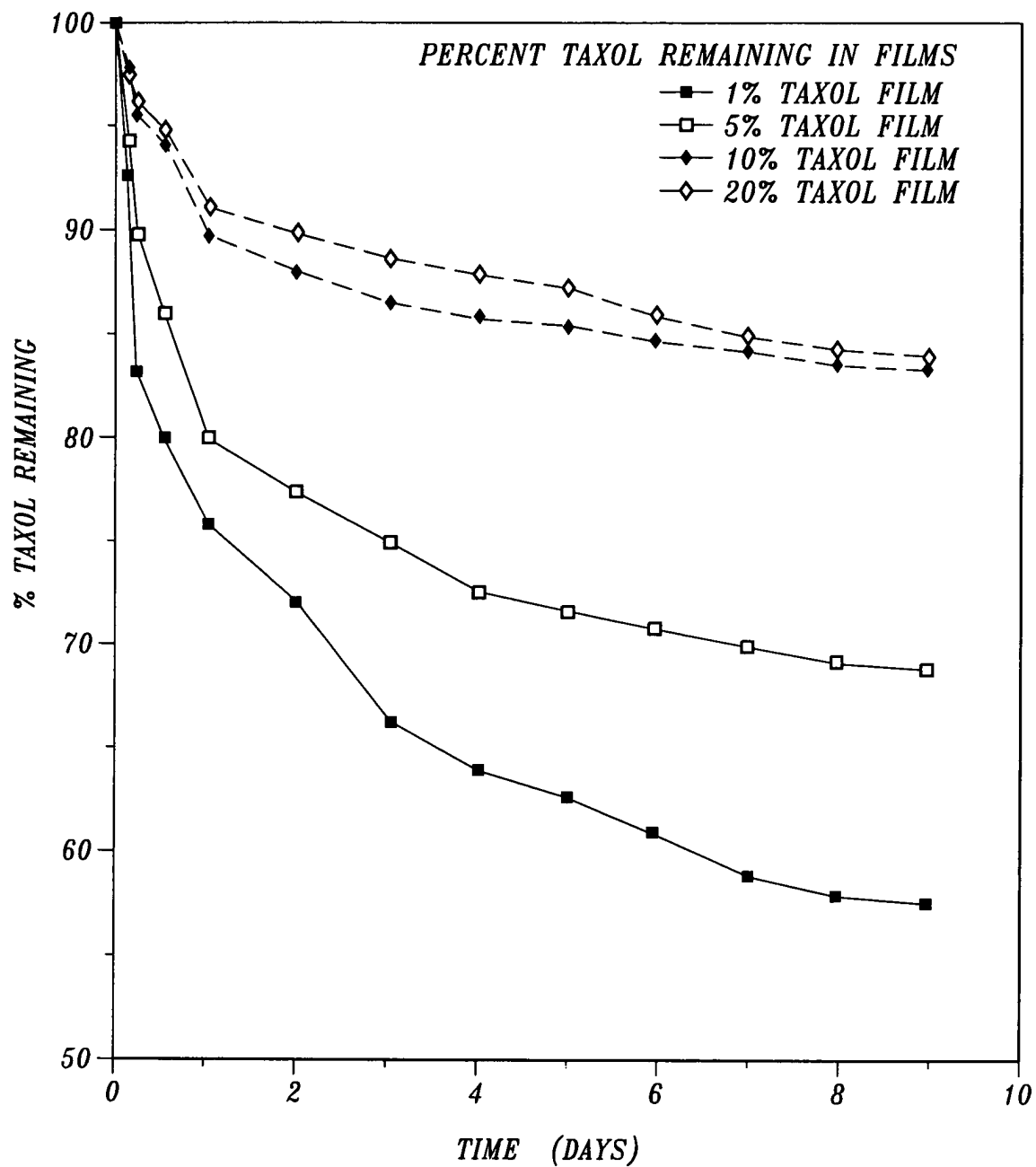
*Fig. 11B*

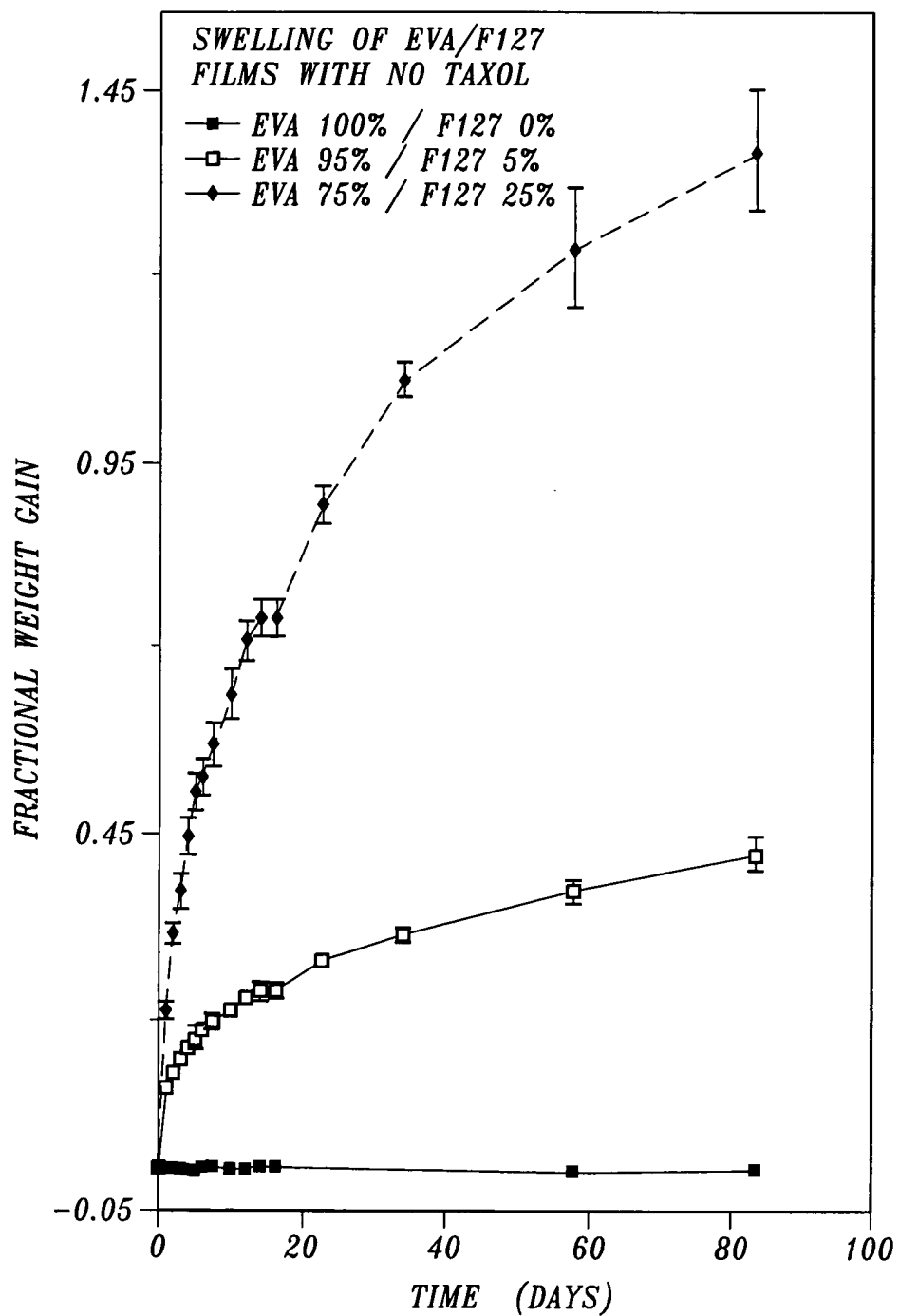


*Fig. 11C*



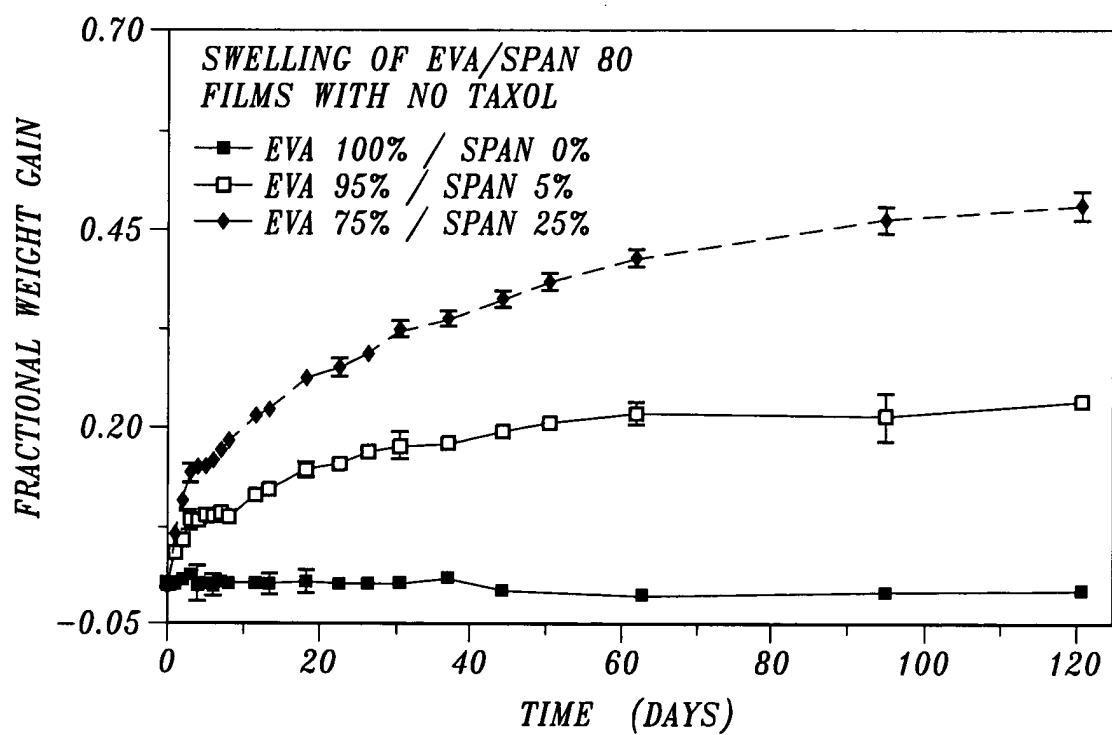
*Fig. 12A*



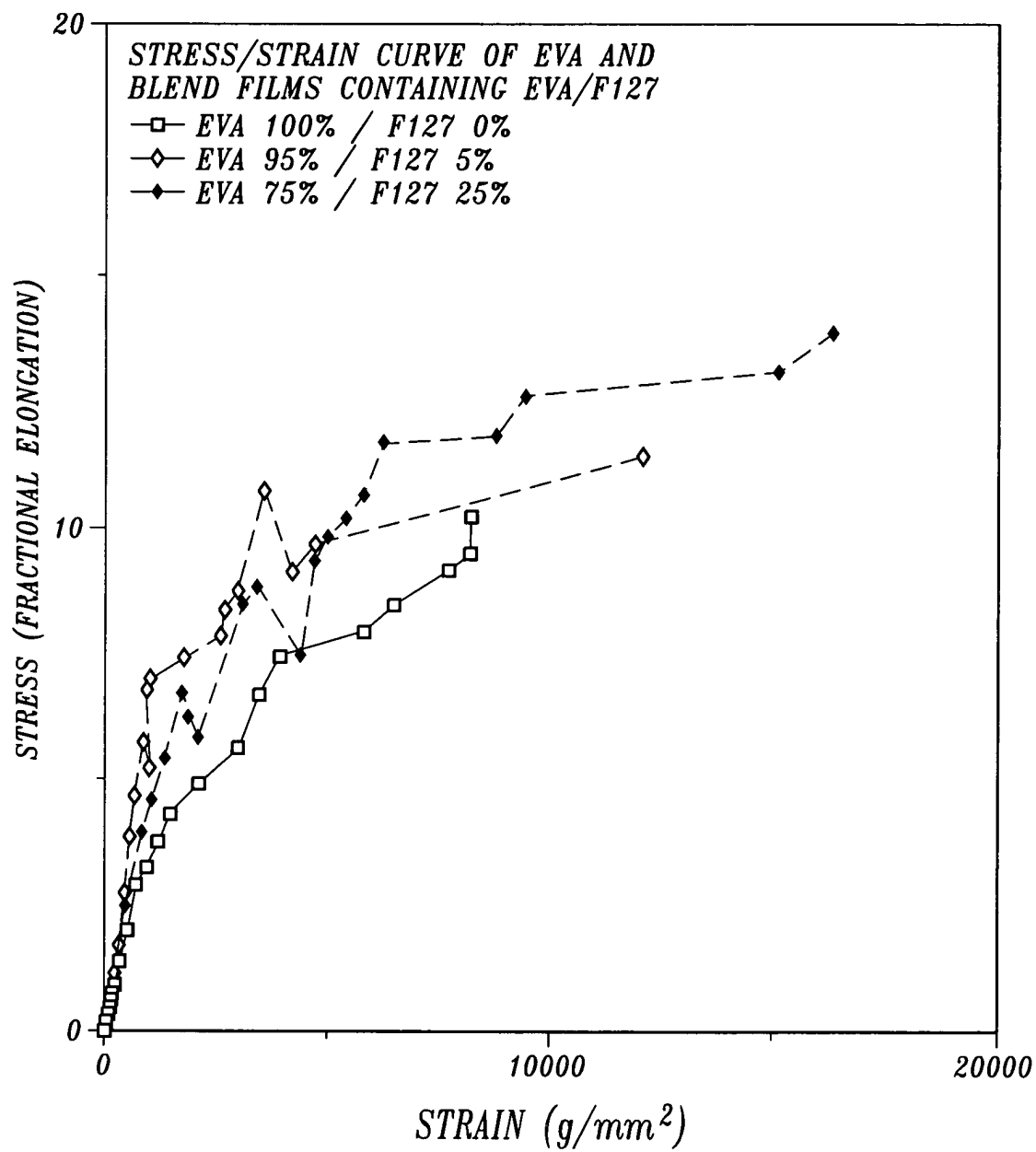


*Fig. 12C*

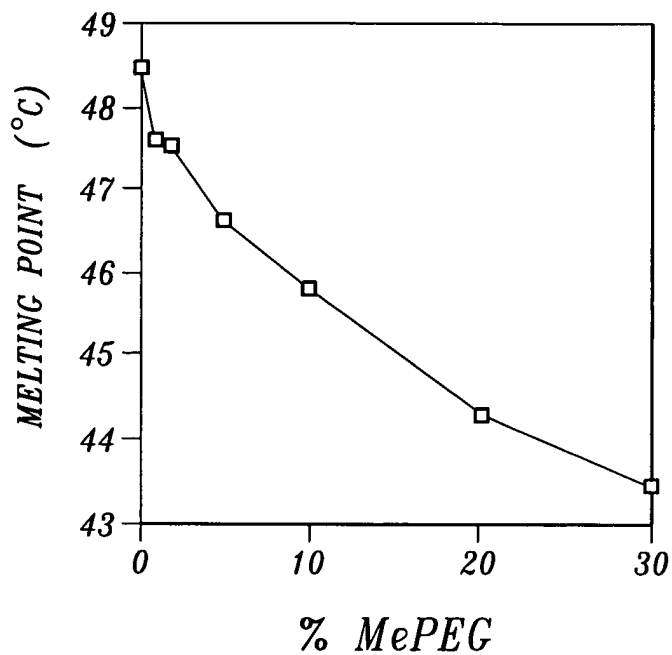




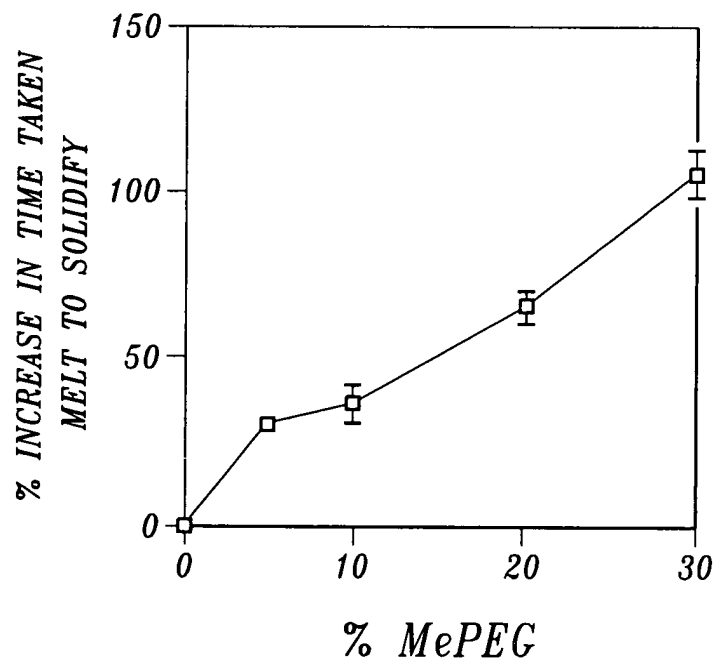
*Fig. 12D*



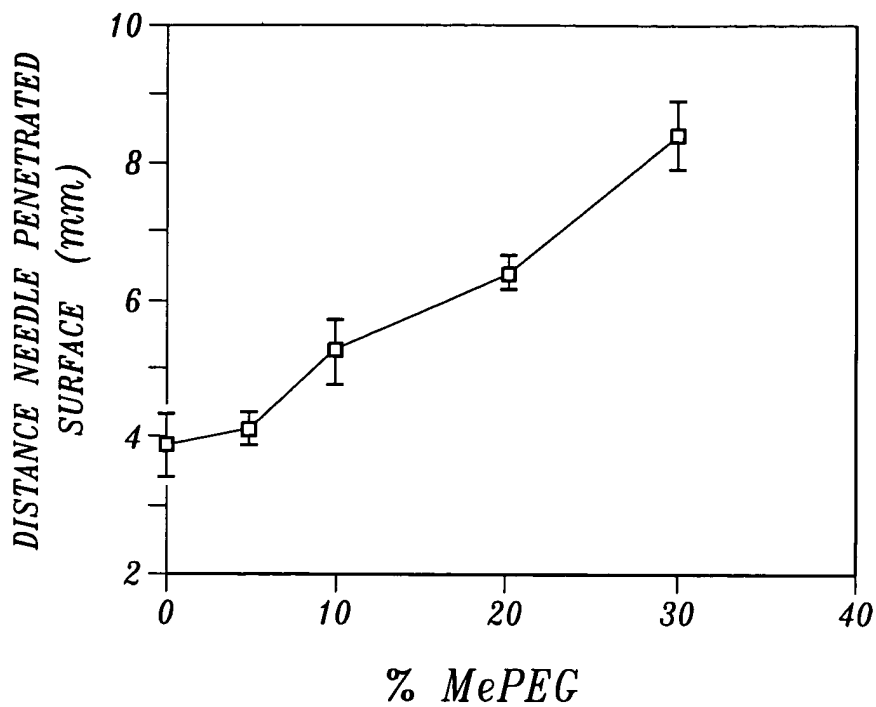
*Fig. 12E*



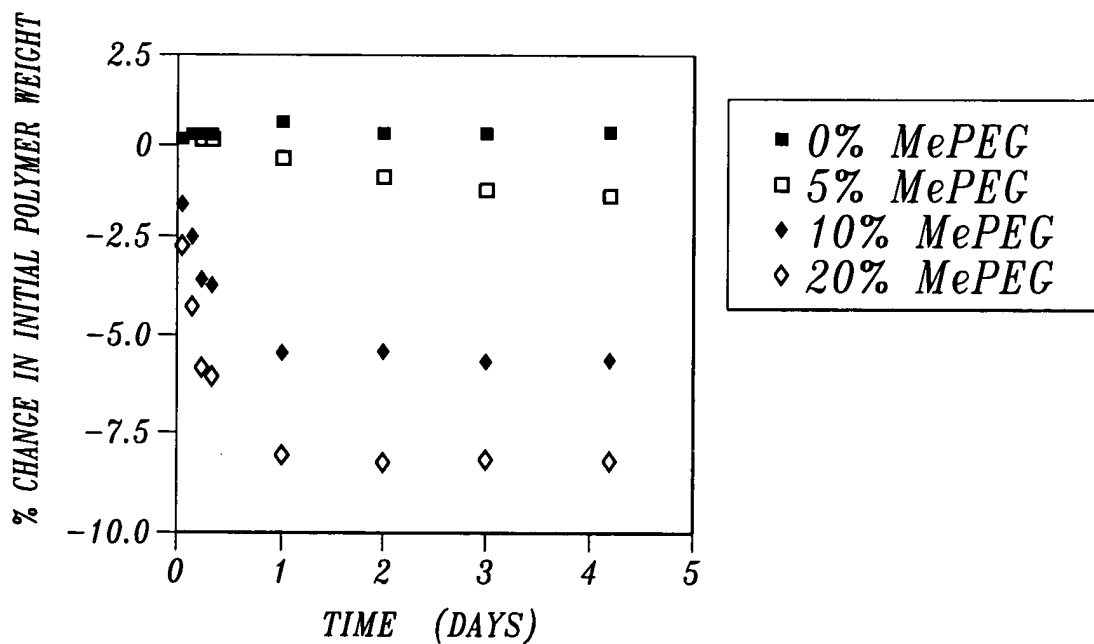
*Fig. 13A*



*Fig. 13B*



*Fig. 13C*



*Fig. 13D*

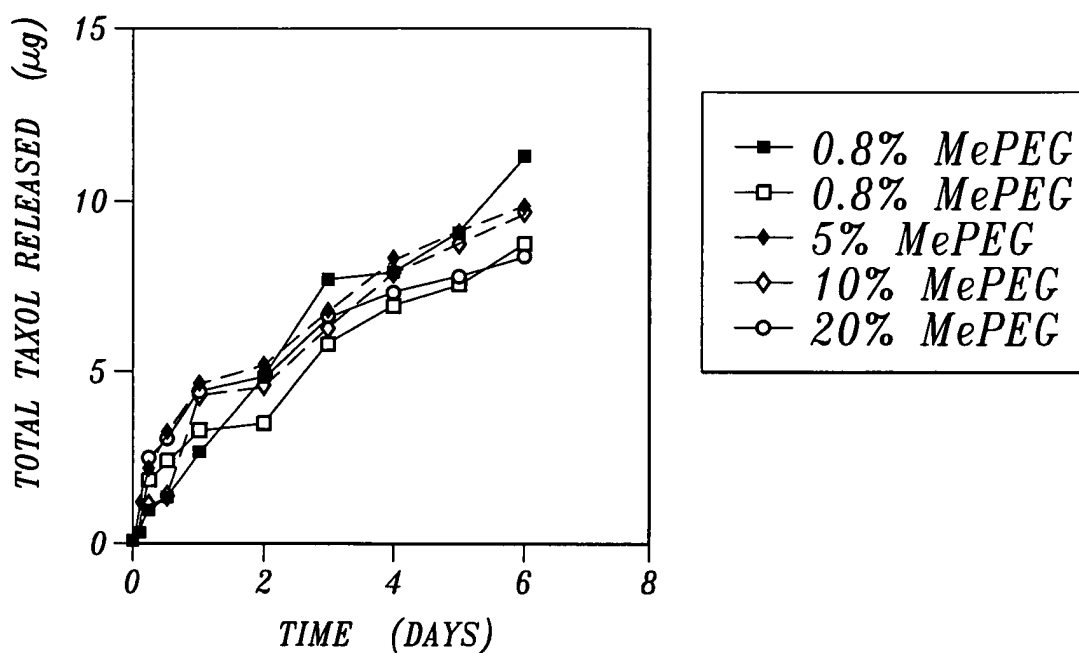


Fig. 13E

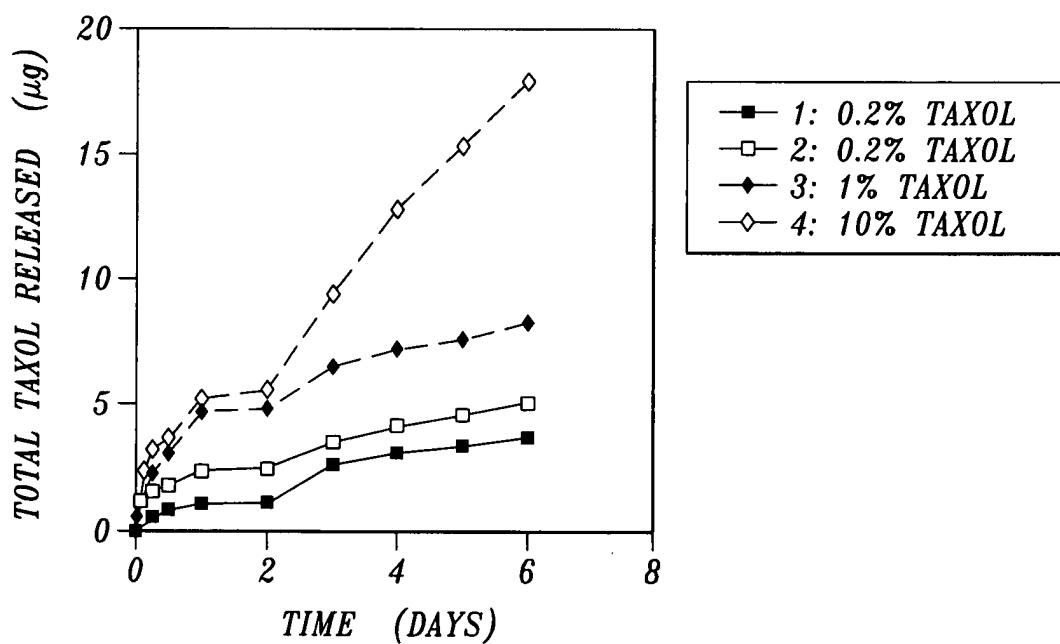


Fig. 13F

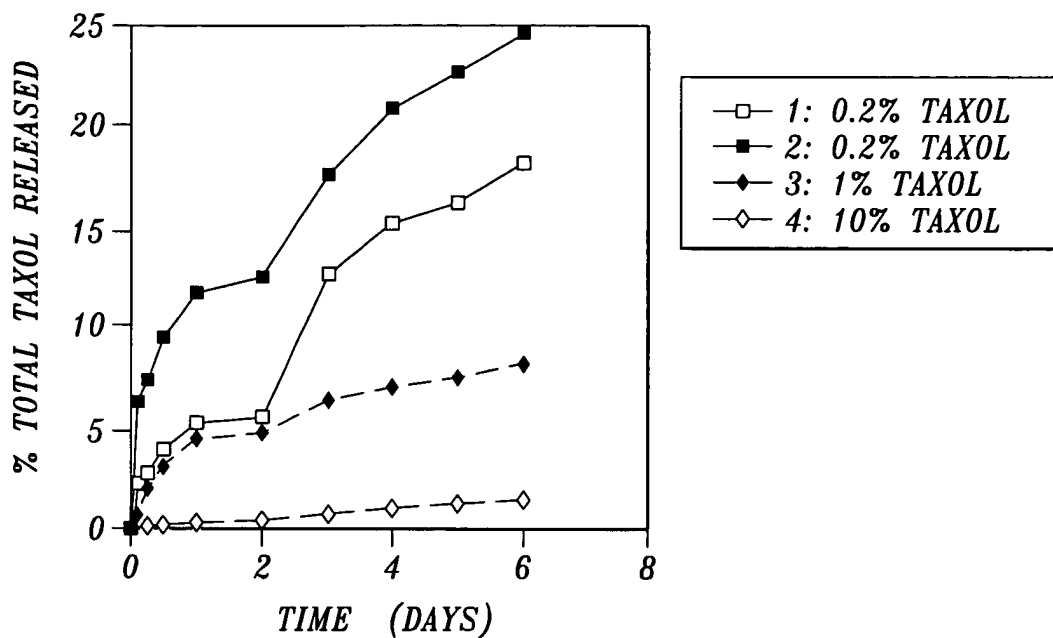


Fig. 13G

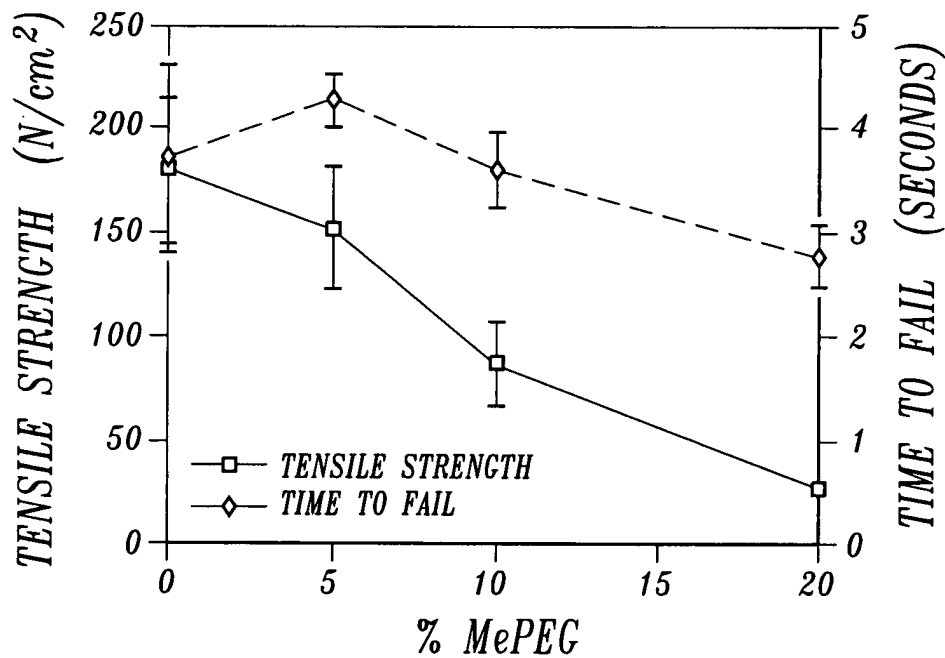
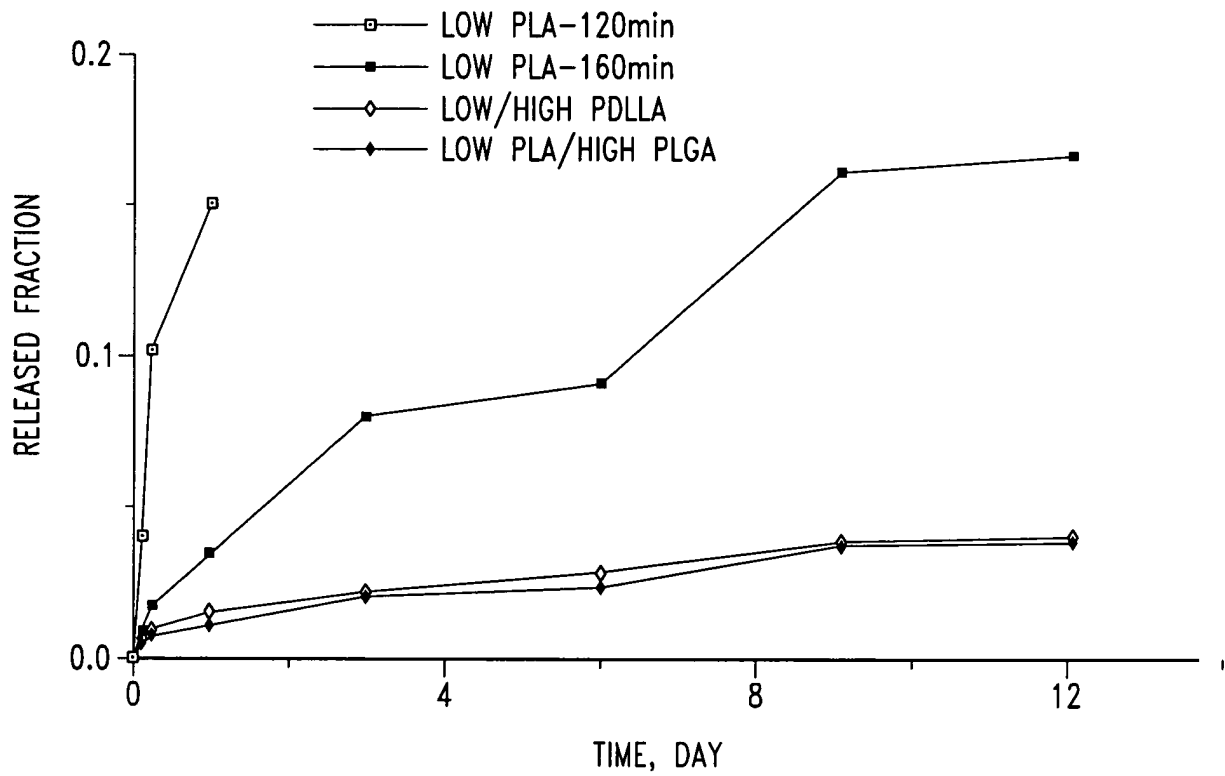
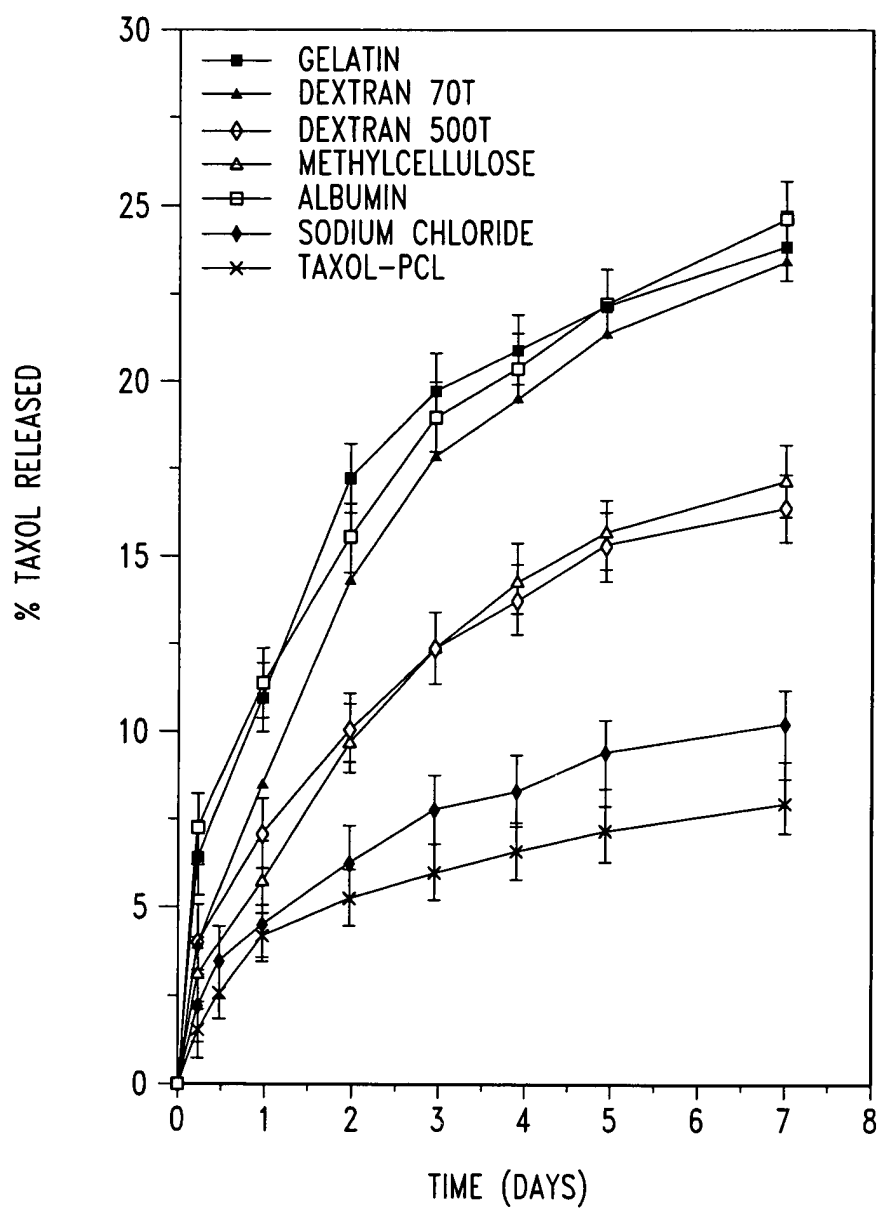


Fig. 13H

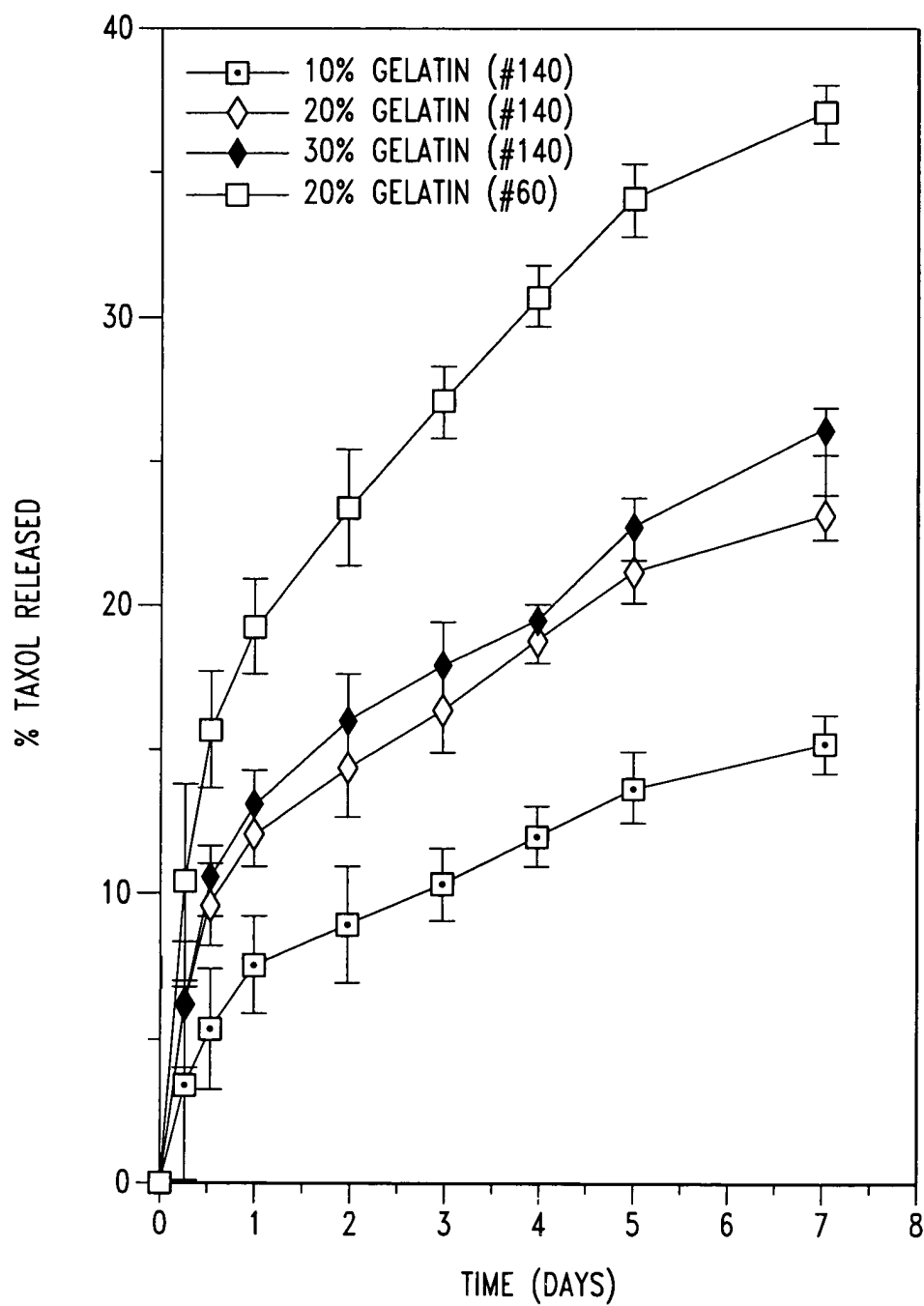


*Fig. 14*

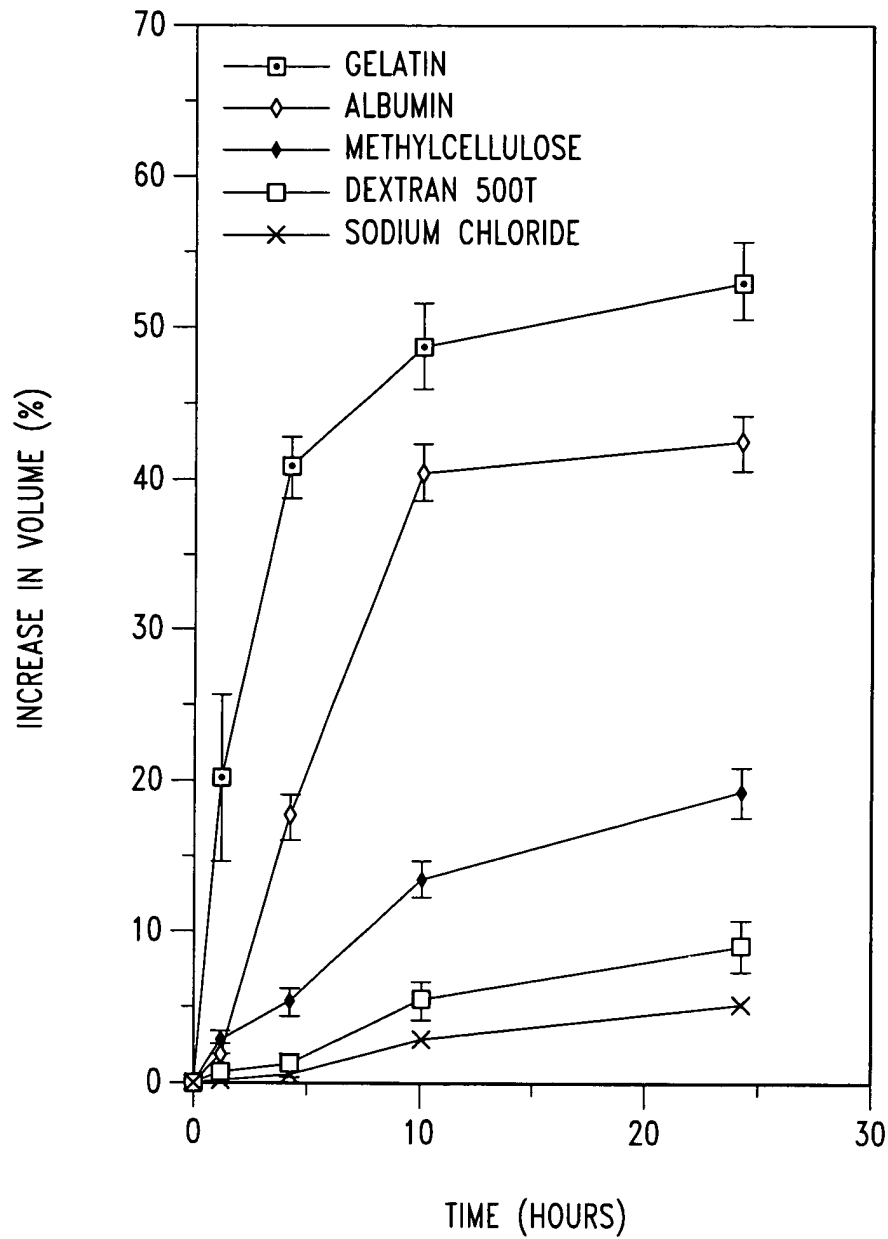


*Fig. 15*

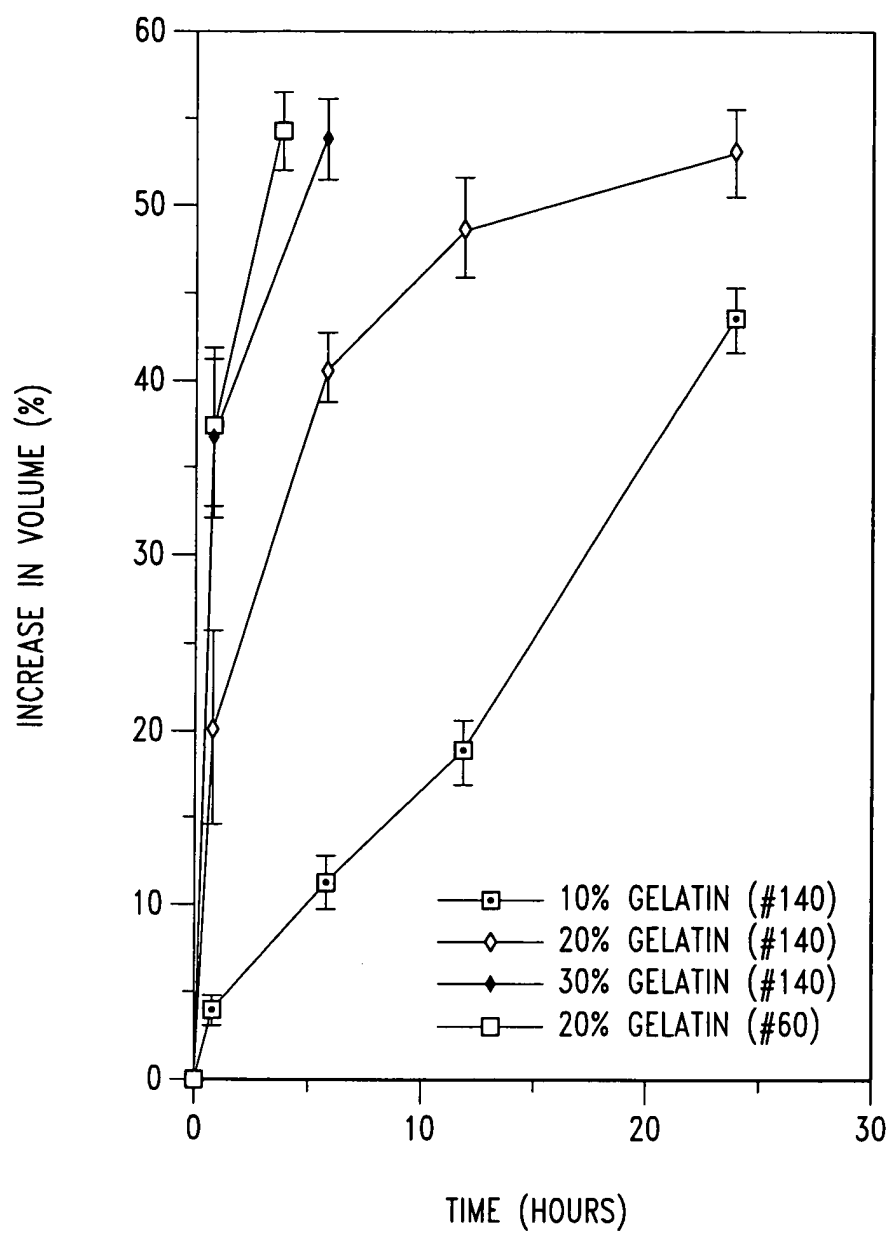




*Fig. 16*



*Fig. 17A*



*Fig. 17B*



*Fig. 18B*



*Fig. 18D*



*Fig. 18A*



*Fig. 18C*

Title: COMPOSITIONS AND METHODS FOR TREATING OR PREVENTING DISEASES OF BODY PASSAGEWAYS

Inventor(s): William L. Hunter and Lindsay S. Machan

Express Mail No. EV348170571US

Docket No. 110129.405C3



*Fig. 19B*



*Fig. 19A*

## EFFECT OF TREATMENT ON THE WEIGHT OF TUMOURS AND MICE WEIGHTS.

MOUSE NUMBER	MOUSE WEIGHT (g)		TUMOUR WEIGHT (g)	
	CONTROL	TREATED	CONTROL	TREATED
1	19.4	19.0	1.76	1.14
2	20.4	18.6	1.85	1.98
3	20.6	19.5	2.4	0.65
4	19.8	18.5	2.31	0.20
5	20.0	18.9	3.2	0.35
6	—	19.1	—	1.51
7	—	19.9	—	0.61
8	—	19.3	—	0.40
MEAN	20.4	19.1	2.3	0.85
STD. DEV.	0.47	0.46	0.57	0.62

*Fig. 20*

MELTING TEMPERATURE, ENTHALPY, MOLECULAR WEIGHT ( $M_n$ ), POLYDISPERSITY ( $M_w/M_n$ ), AND INTRINSIC VISCOSITY ( $[\eta]$ ) OF PDLLA-PEG-PDLLA

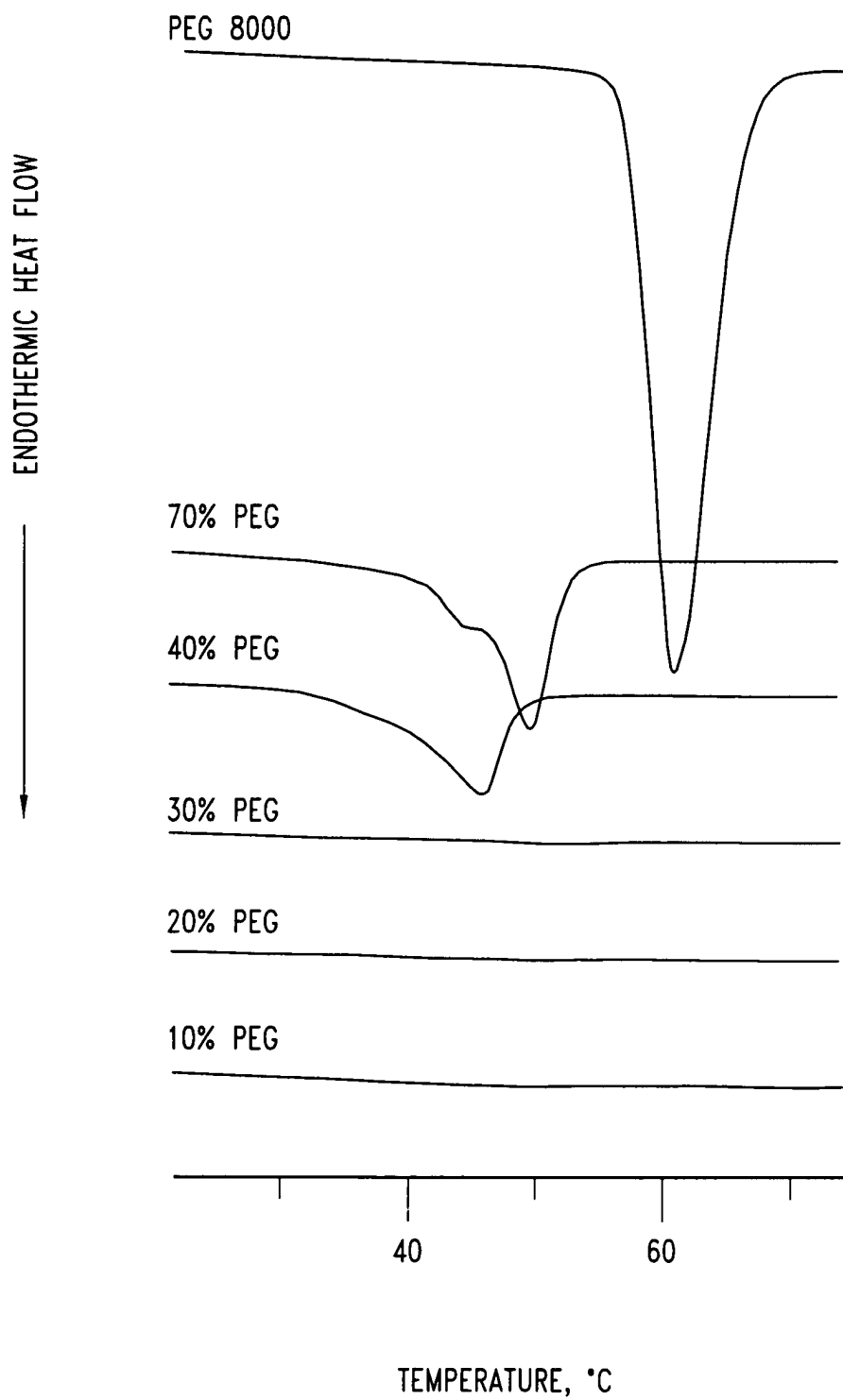
PDLLA-PEG-PDLLA PEG CONTENT	MELTING TEMP. <sup>a</sup> , °C	$\Delta H^a$ , J/g	$M_n^b$ , $\times 10^{-4}$	$M_w/M_n^b$	$[\eta]^c$ , dl/g
100%	61.8	184.8	0.8 <sup>d</sup>	--	--
70%	50.2	72.2	2.1	1.21	0.27
40%	46.3	42.8	4.5	3.5	0.29
30%	NONE	NONE	5.9	2.95	1.0
20%	NONE	NONE	5.1	2.96	1.45
10%	NONE	NONE	11	2.38	1.5
TAXOL	212	59.3	--	--	--
20% taxol loaded	212.1	5.6	--	--	--
COPOLYMER (30%PEG)					

a: MEASURED BY DSC.

b: MEASURED BY GPC, RELATIVE TO POLYSTYRENE STANDARD.

c: IN  $CHCl_3$  AT 25°C

d: DATA SUPPLIED BY MANUFACTURER



*Fig. 22*



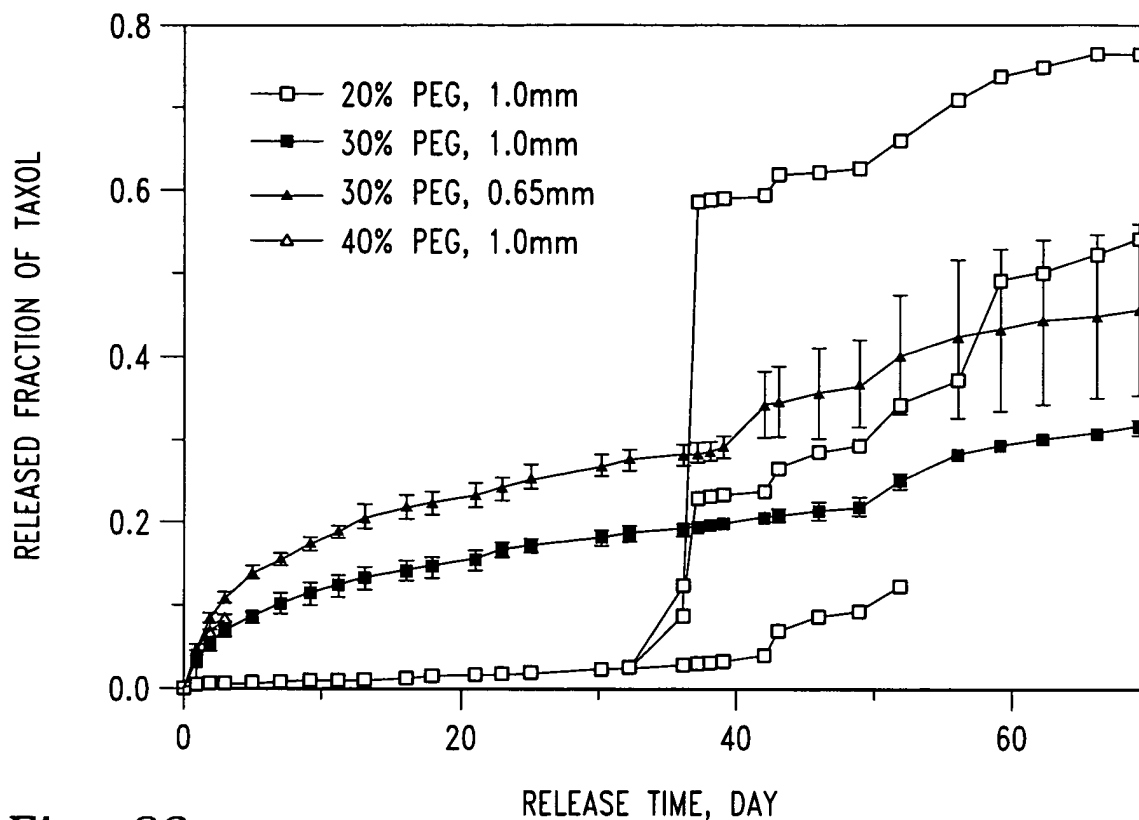


Fig. 23

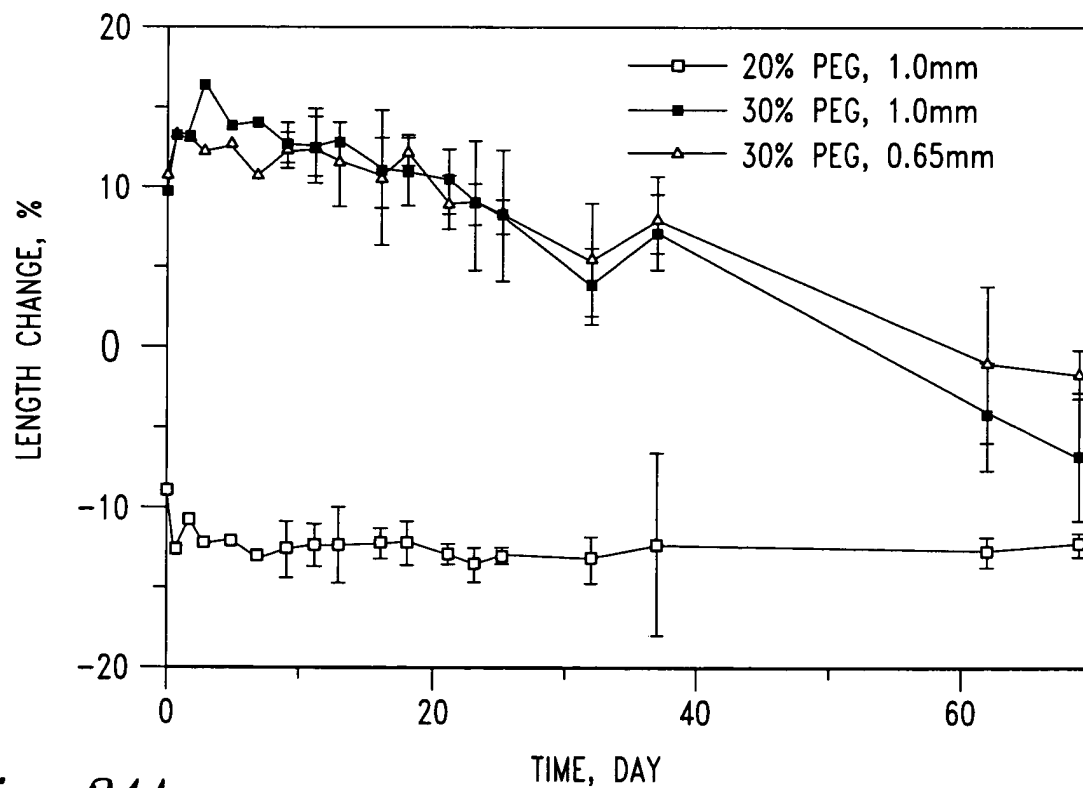


Fig. 24A

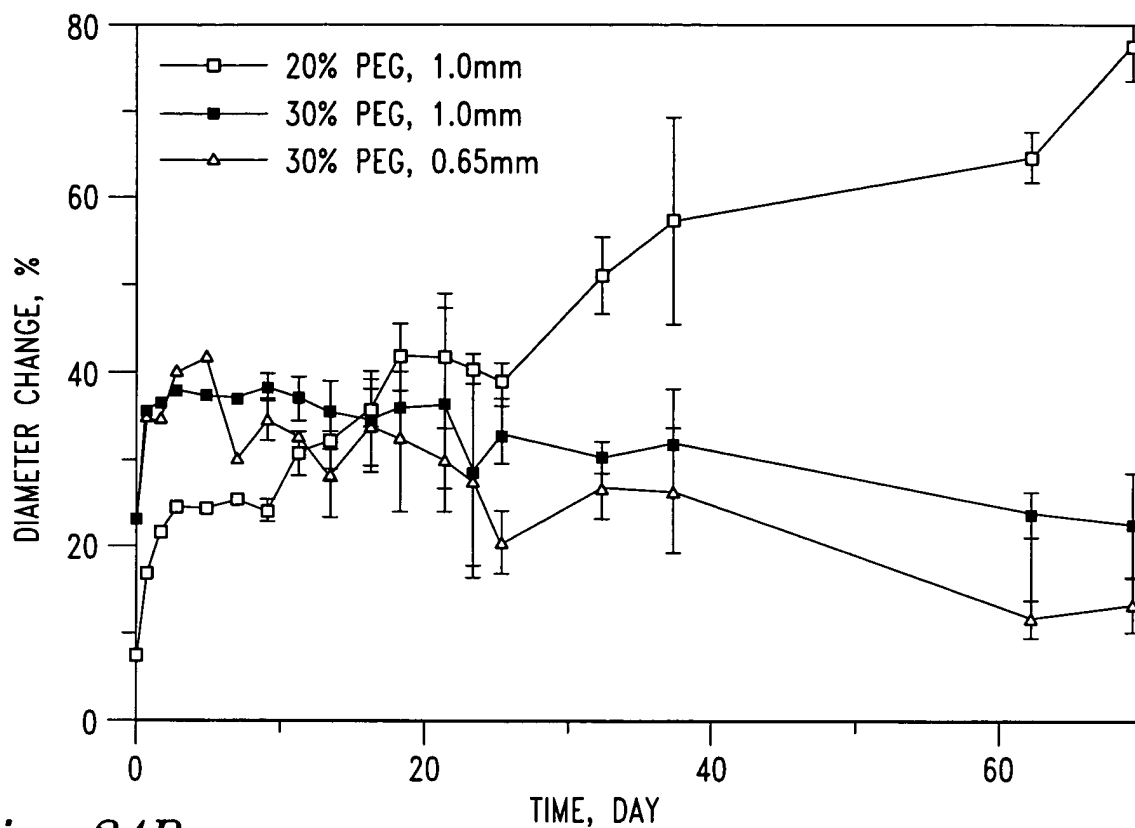


Fig. 24B

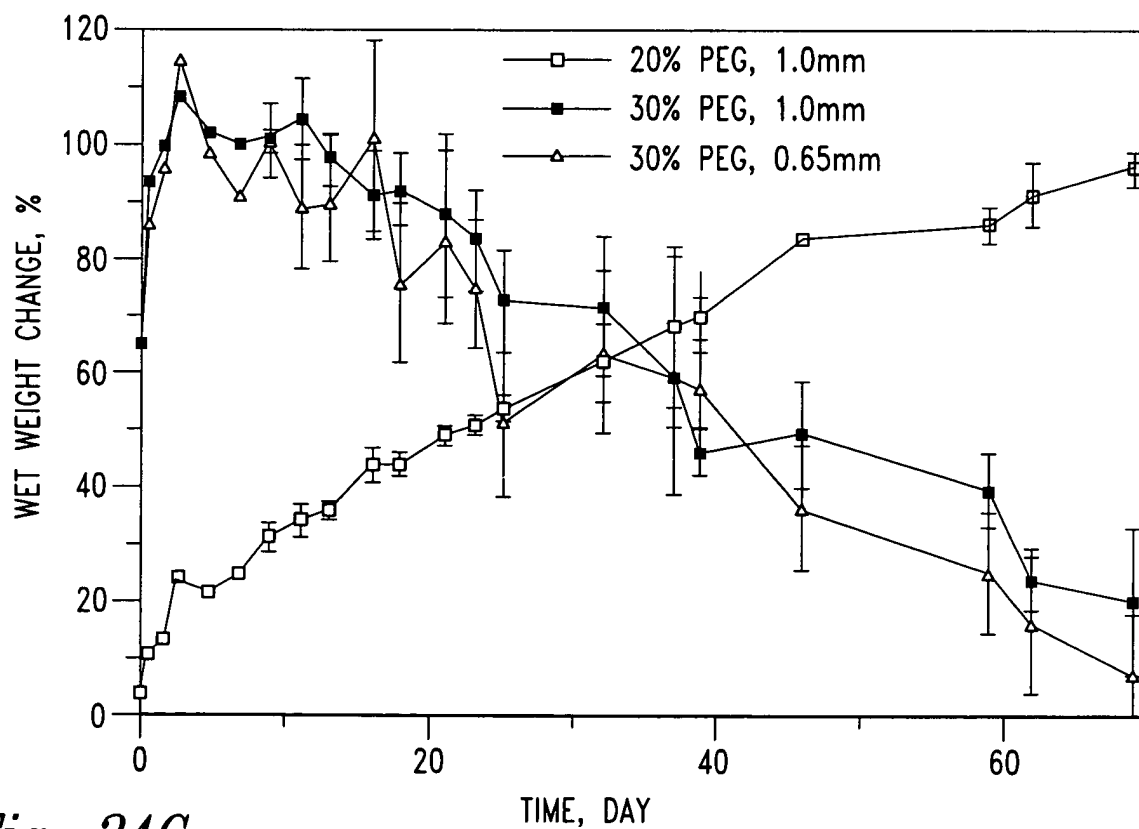
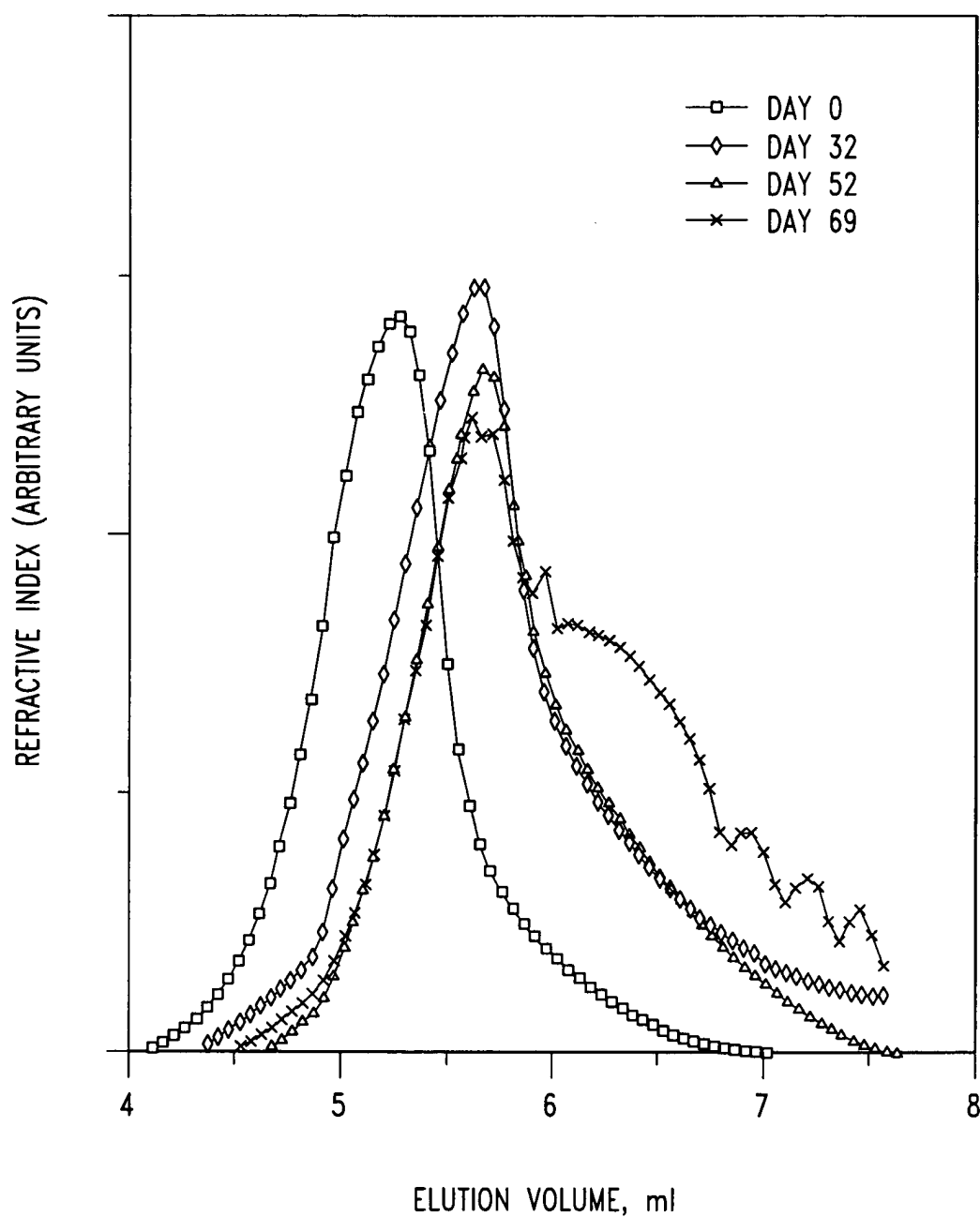


Fig. 24C



*Fig. 25*

MASS LOSS AND POLYMER COMPOSITION CHANGE OF PDLLA-PEG-PDLLA  
CYLINDERS (LOADED WITH 20% TAXOL) DURING THE RELEASE  
INTO PBS ALBUMIN BUFFER AT 37

°C

SAMPLE <sup>a</sup>	TIME, DAY	DRY WT. LOSS, %	1.65/5.1 <sup>b</sup>	3.6/5.1 <sup>b</sup>
20% PEG-1mm	0	0	3.51	1.65
20% PEG-1mm	32	7.9	—	—
20% PEG-1mm	69	19.2	3.63	0.68
30% PEG-1mm	0	0	3.39	3.91
30% PEG-1mm	32	28.9	—	—
30% PEG-1mm	69	45.5	4.3	0.56
30% PEG-0.65mm	0	0	3.39	3.91
30% PEG-0.65mm	32	26.7	—	—
30% PEG-0.65mm	69	57.5	5.8	0.21

a: PDLLA-PEG-PDLLA copolymer cylinders showing PEG content and diameter of cylinder.

b: measured by <sup>1</sup>H-NMR in CDCl<sub>3</sub>; 1.65/5.1 represents the ratio of peak areas at 1.65ppm (due to -CHCH<sub>3</sub>\*- in PDLLA) and 5.1 ppm (due to -CH\*CH<sub>3</sub>- in PDLLA); 3.6/5.1 represents the ratio of peak areas at 3.6ppm (due to -CH<sub>2</sub>\*CH<sub>2</sub>\*- in PEG) and 5.1ppm.

*Fig. 26*



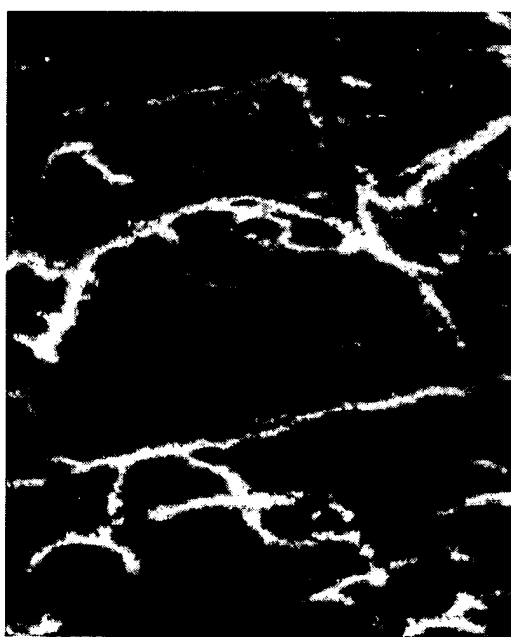
*Fig. 27B*



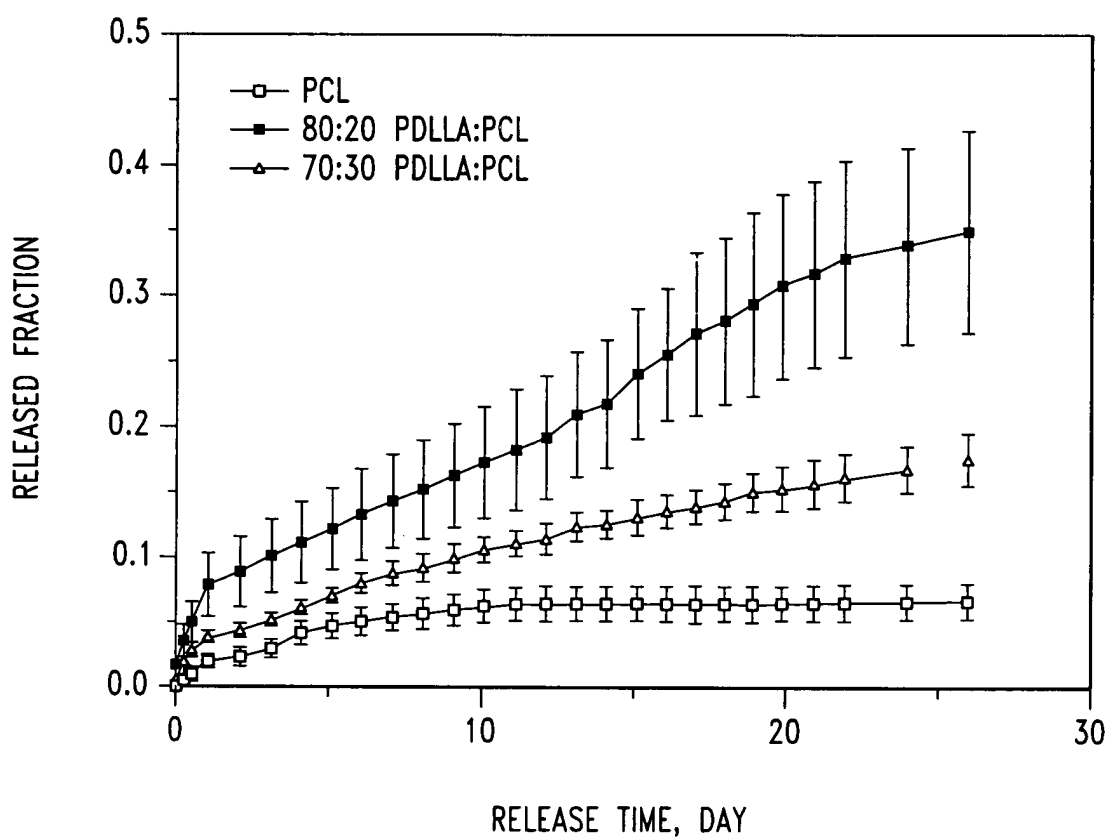
*Fig. 27D*



*Fig. 27A*



*Fig. 27C*



*Fig. 28*

Efficacy of taxol loaded surgical paste formulations applied locally to subcutaneous tumor in mice.

	non-treated	PCL		80:20 PDLLA:PCL blend		90:10 PDLLA:PCL blend		PDLLA-PEG-PDLLA <sup>a</sup>	
		control	20% taxol	control	20% taxol	control	20% taxol	control	20% taxol
n <sup>b</sup>	5	5	4	5	5	12	15	10	13
death <sup>c</sup>	0	0	1	0	0	0	0	0	0
weight <sup>d</sup> , g	1.71	1.64	1.55	1.63	1.22	1.51	0.87	1.46	0.88
std <sup>e</sup>	0.61	0.68	0.49	0.75	0.49	0.84	0.57	0.71	0.42
regression <sup>f</sup>	--	--	5.7%	--	25.2%	--	54.0%	--	39.9%
p <sup>g</sup>	--	--	0.818	--	0.331	--	0.0269	--	0.0231

a: with 30% PEG

b: the number of mice

c: the number of deaths of mice during the experiment

d: the average weight of the tumor

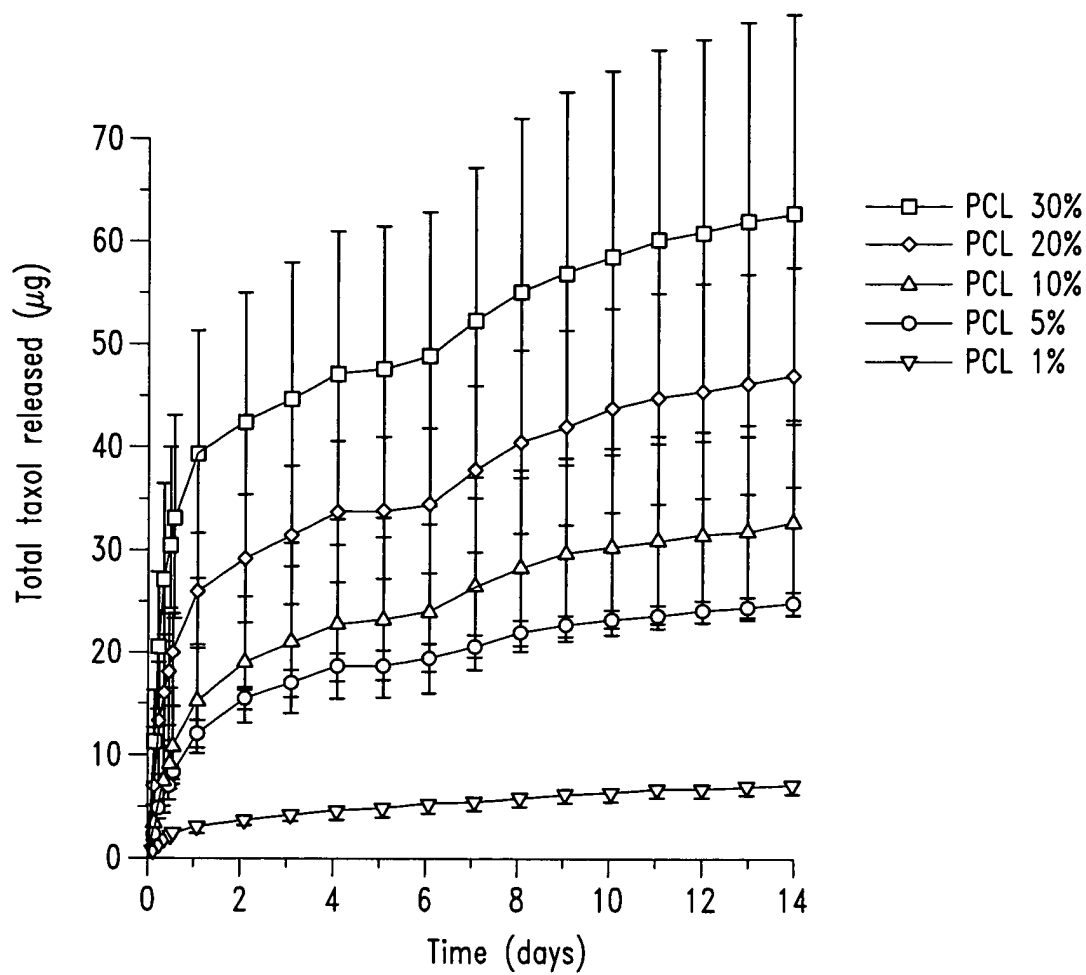
e: standard deviation of the tumor weights

f: percentage of tumor weight reduction

g: the significance level obtained using a two tail t-test

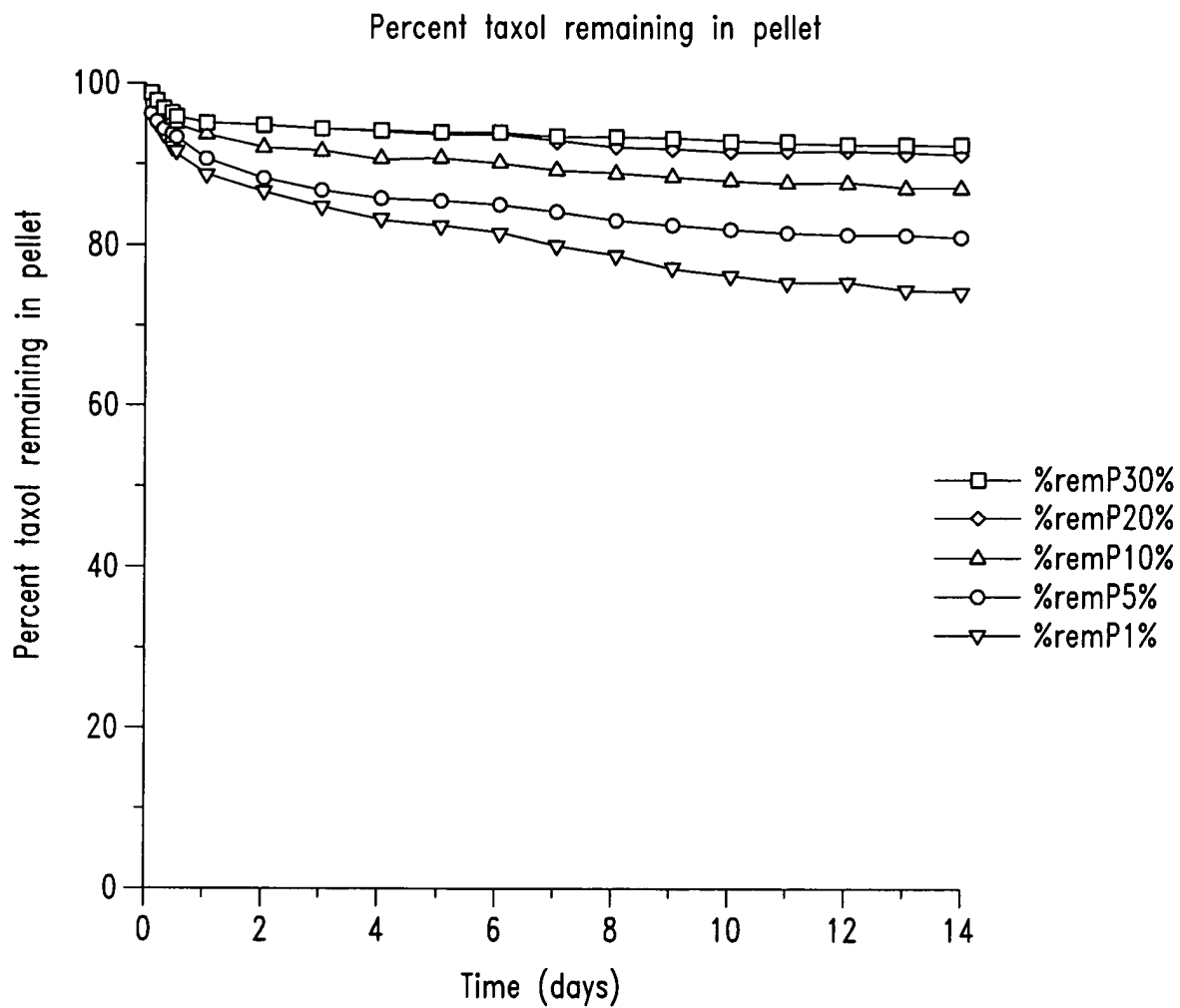
*Fig. 29*

Time course of taxol release from PCL thermopaste

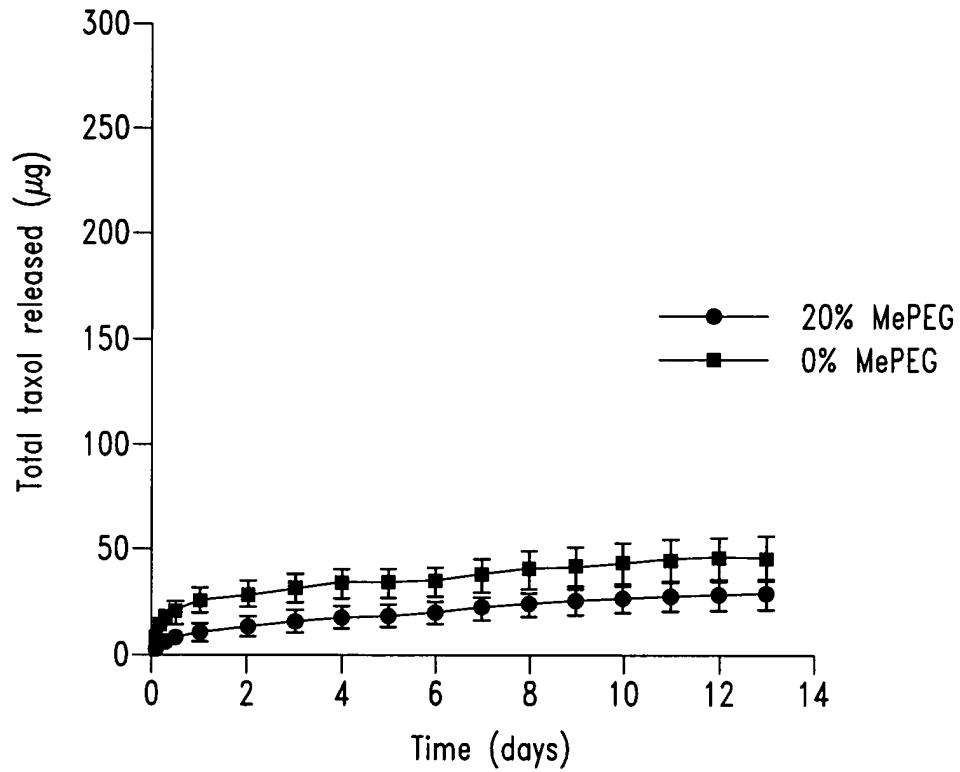


*Fig. 30A*

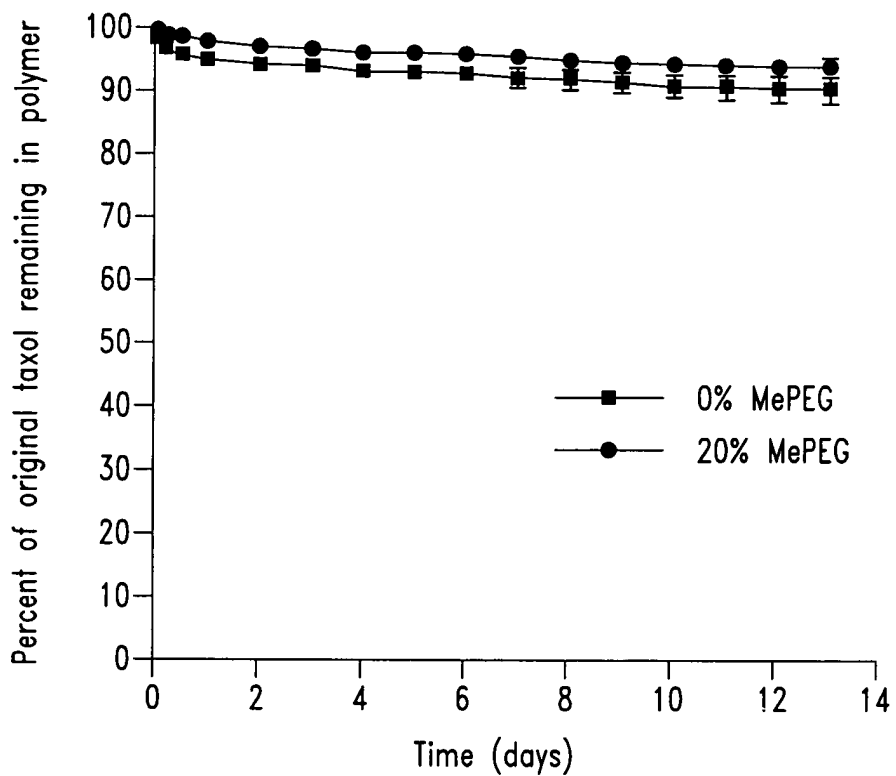




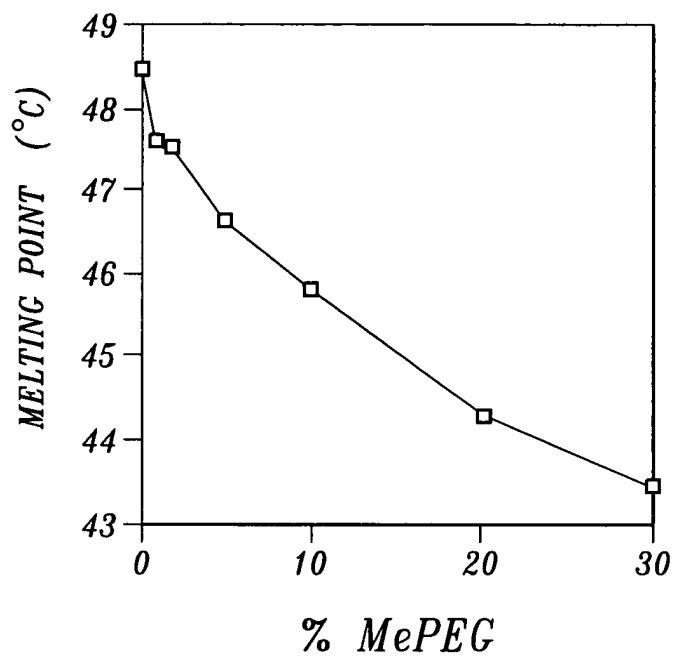
*Fig. 30B*



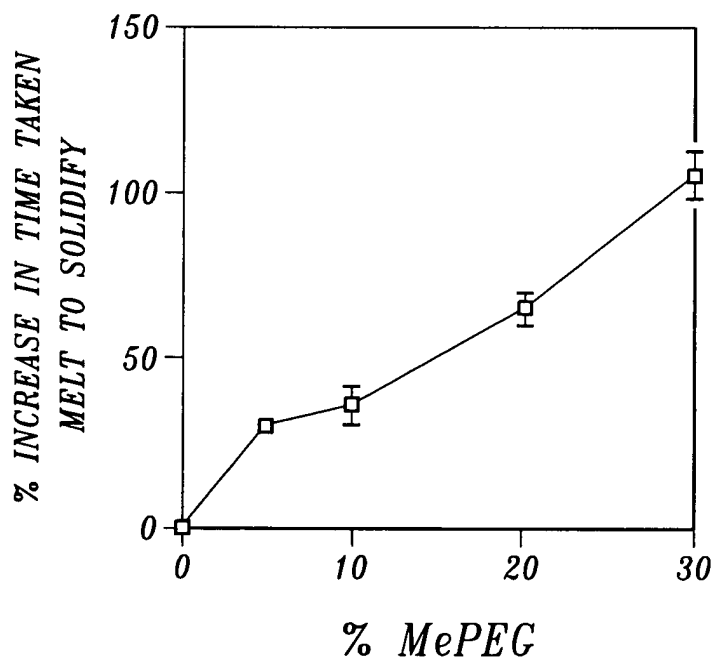
*Fig. 31A*



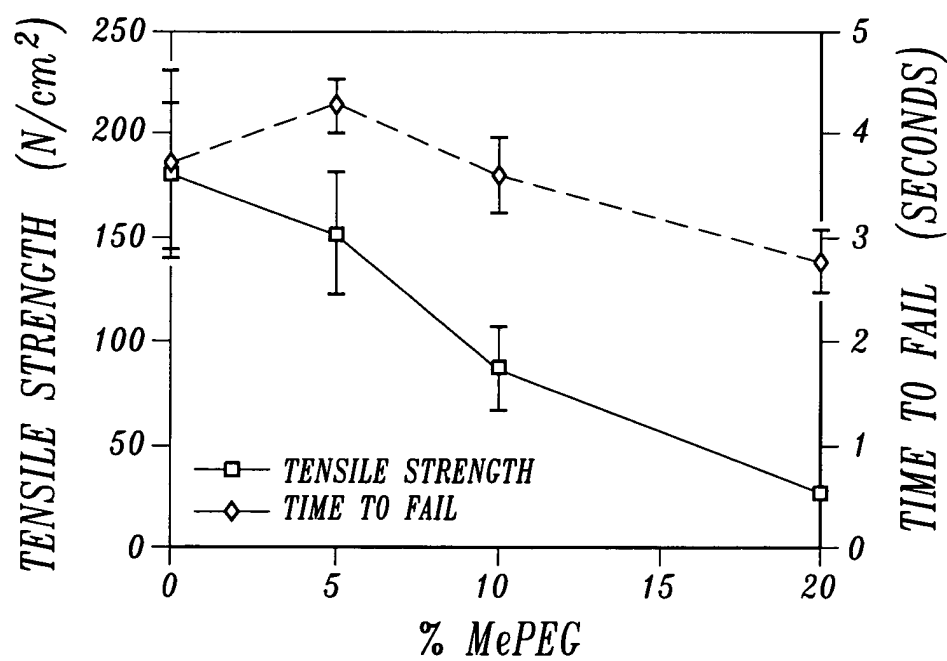
*Fig. 31B*



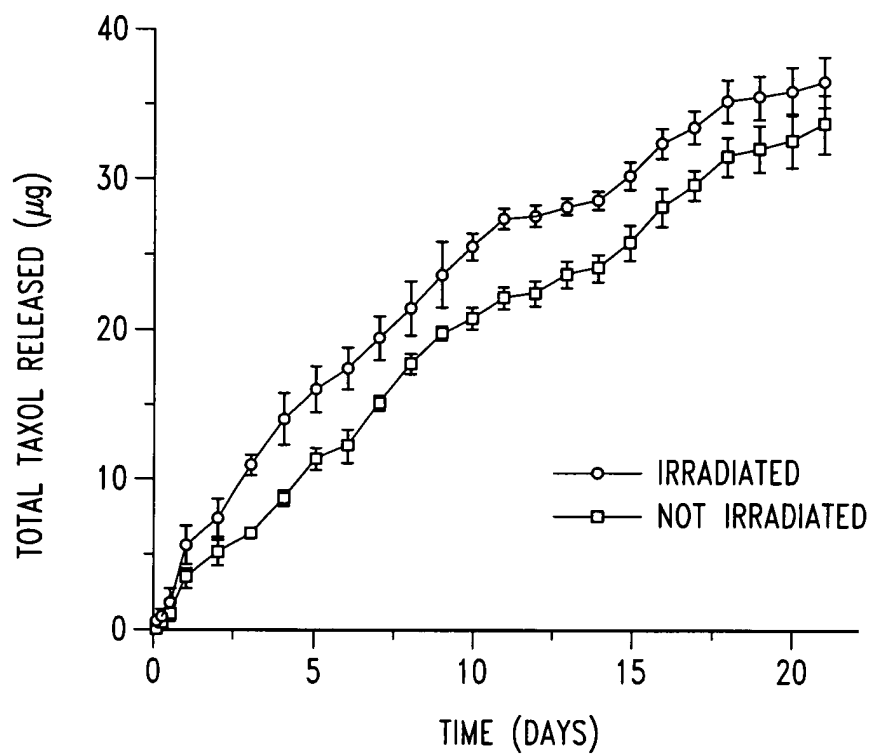
*Fig. 32A*



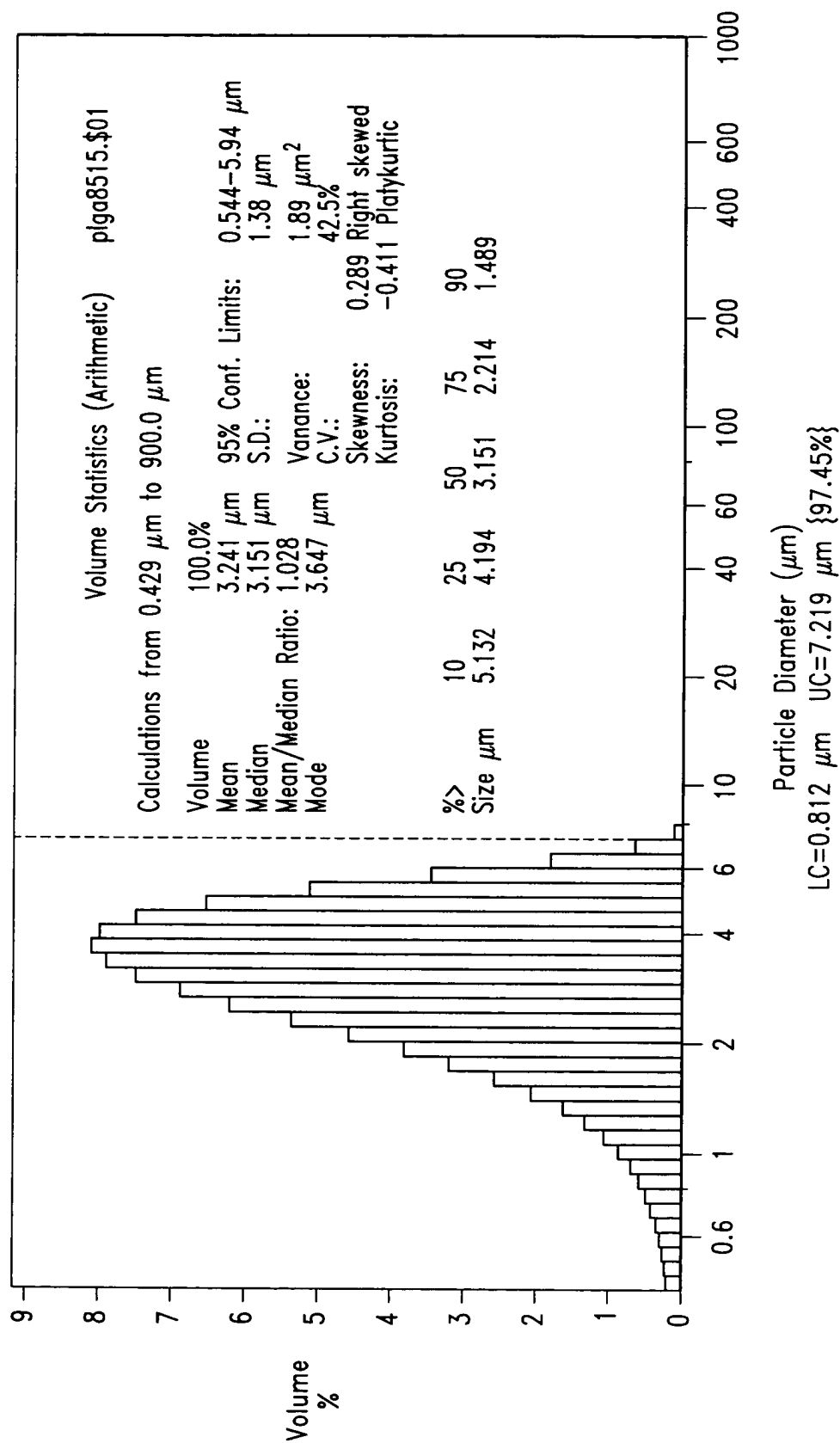
*Fig. 32B*

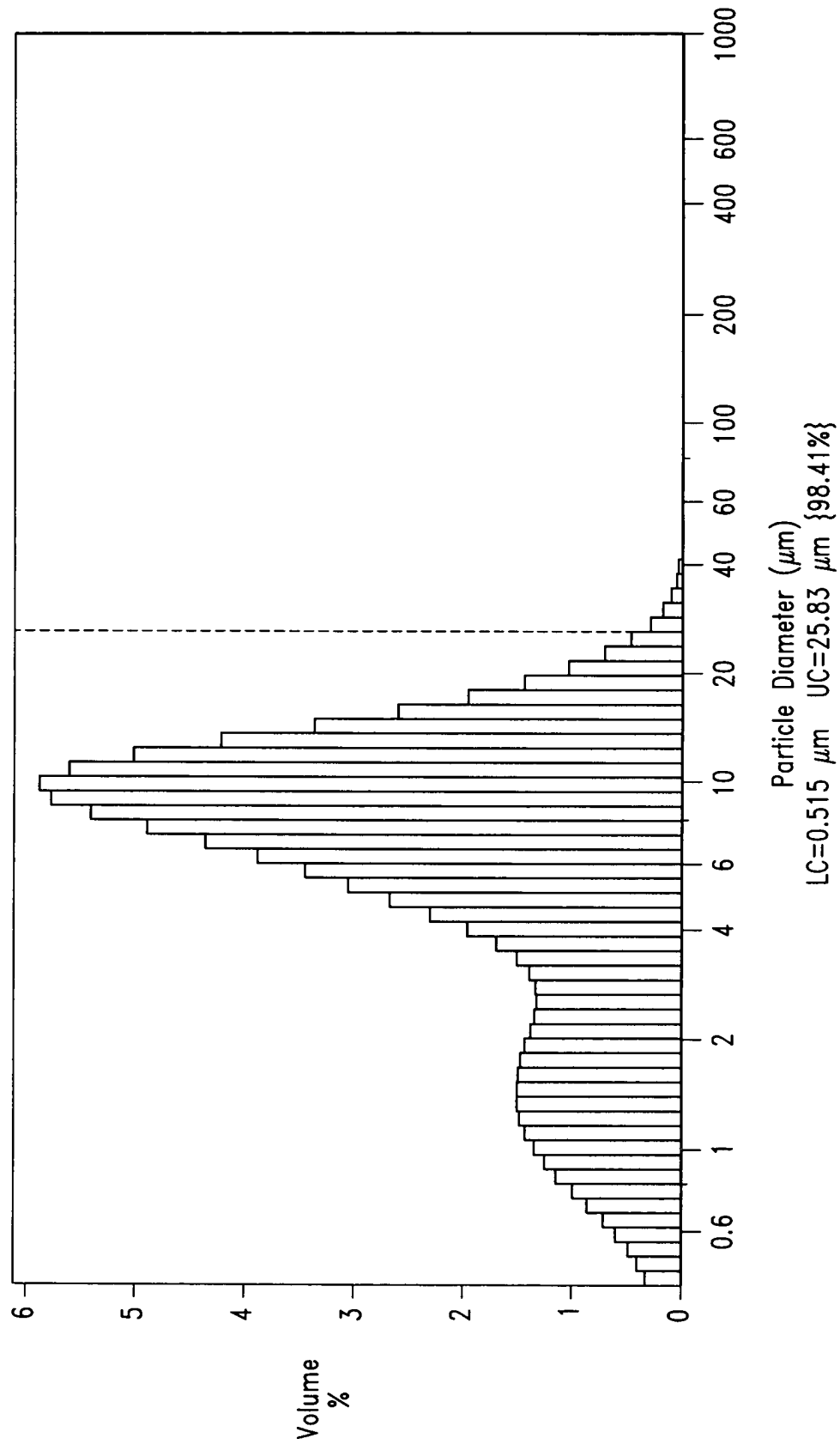


*Fig. 33*

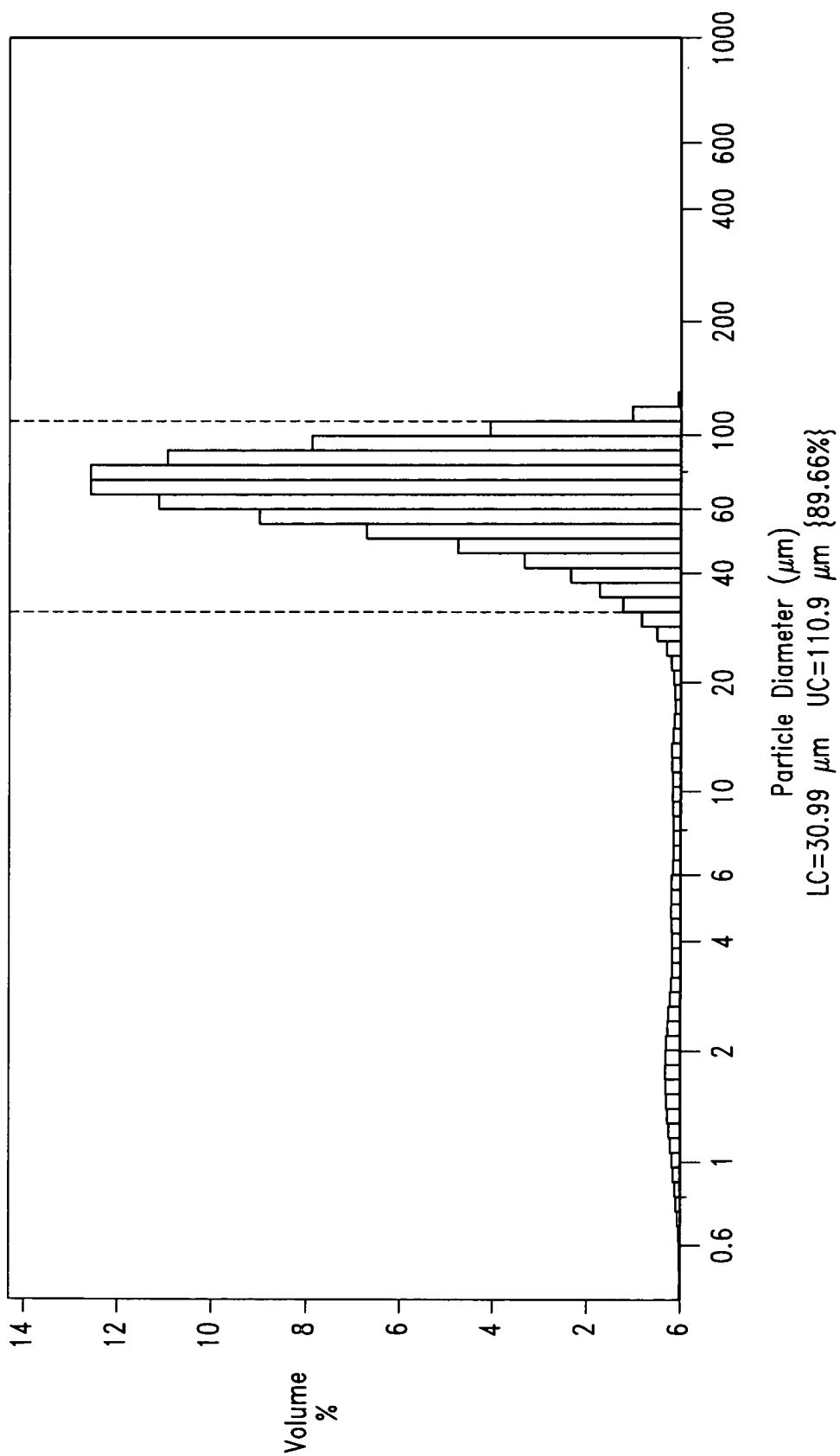


*Fig. 34*

*Fig. 35*

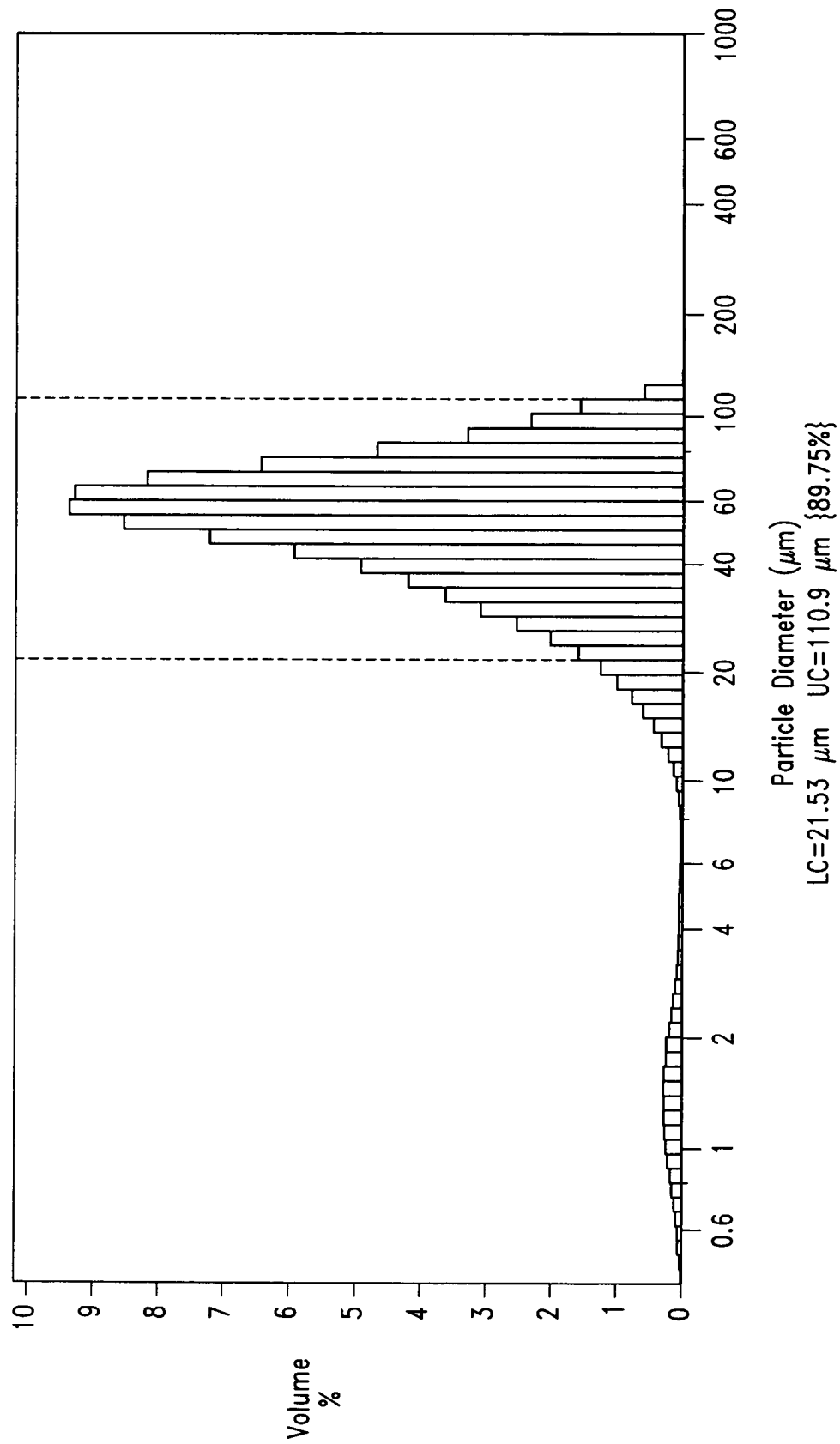


*Fig. 36*



*Fig. 37*





*Fig. 38*

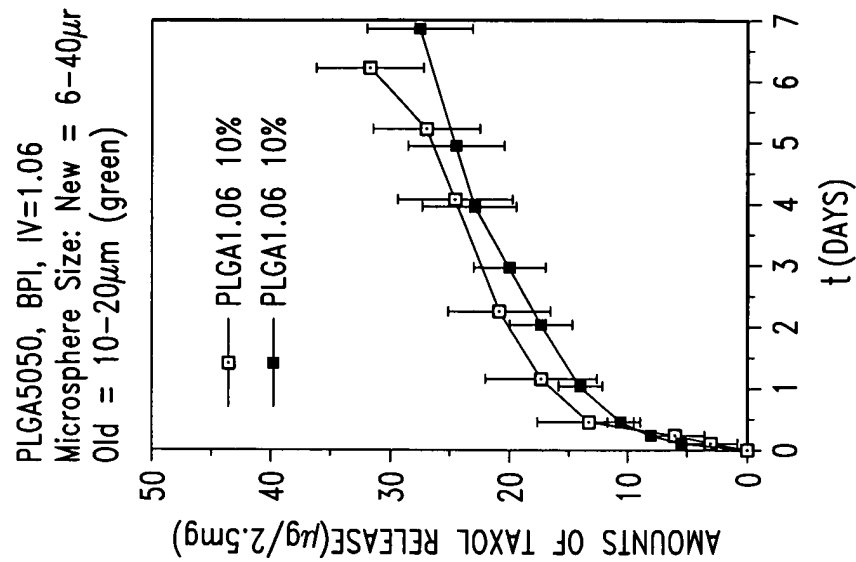


Fig. 39C

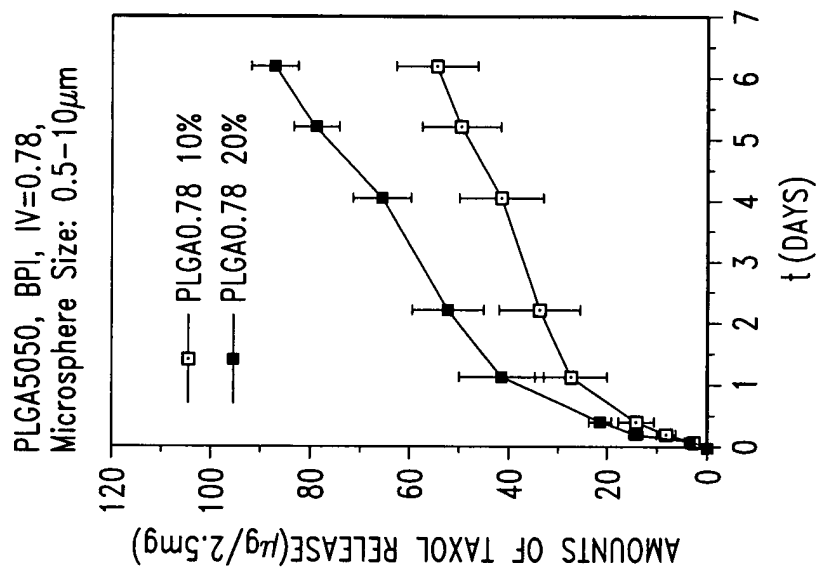


Fig. 39B

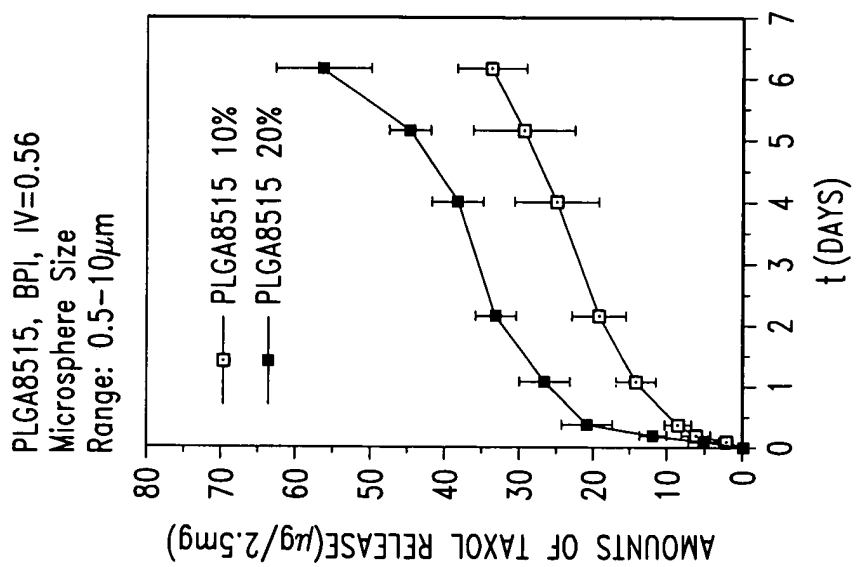
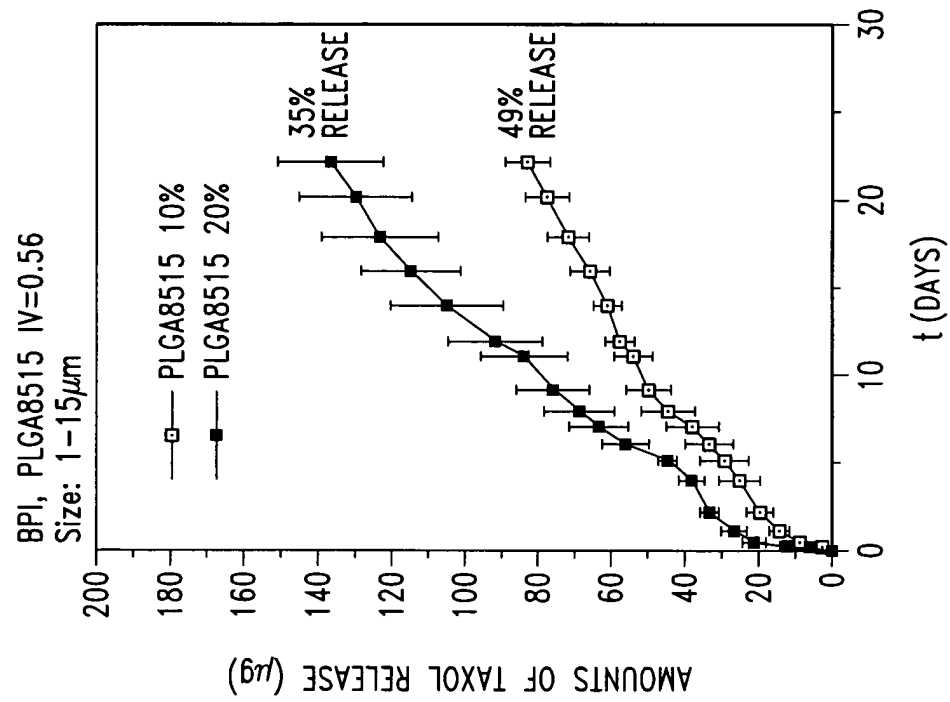
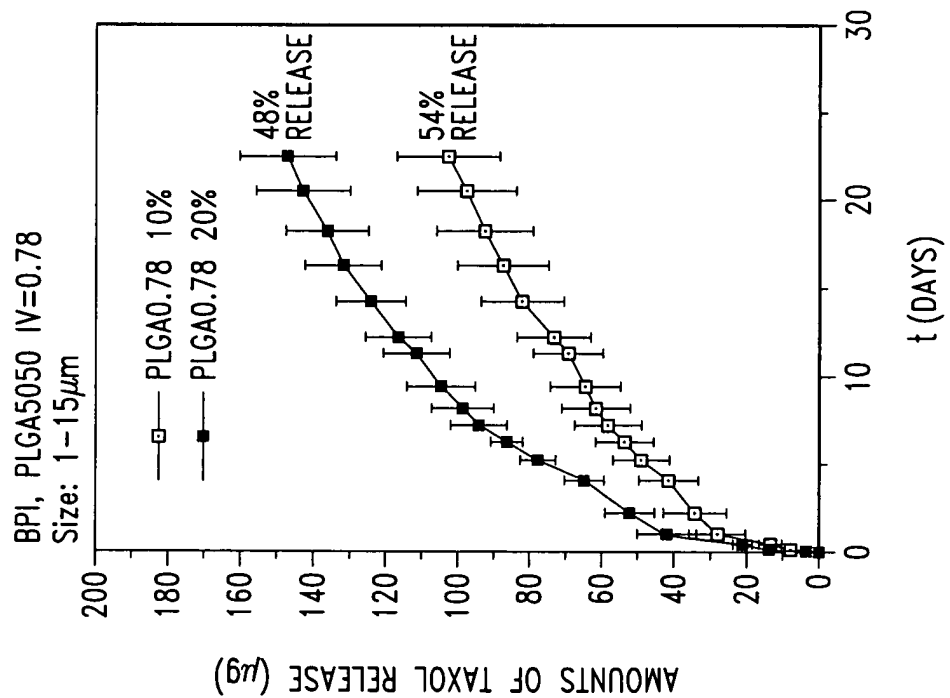


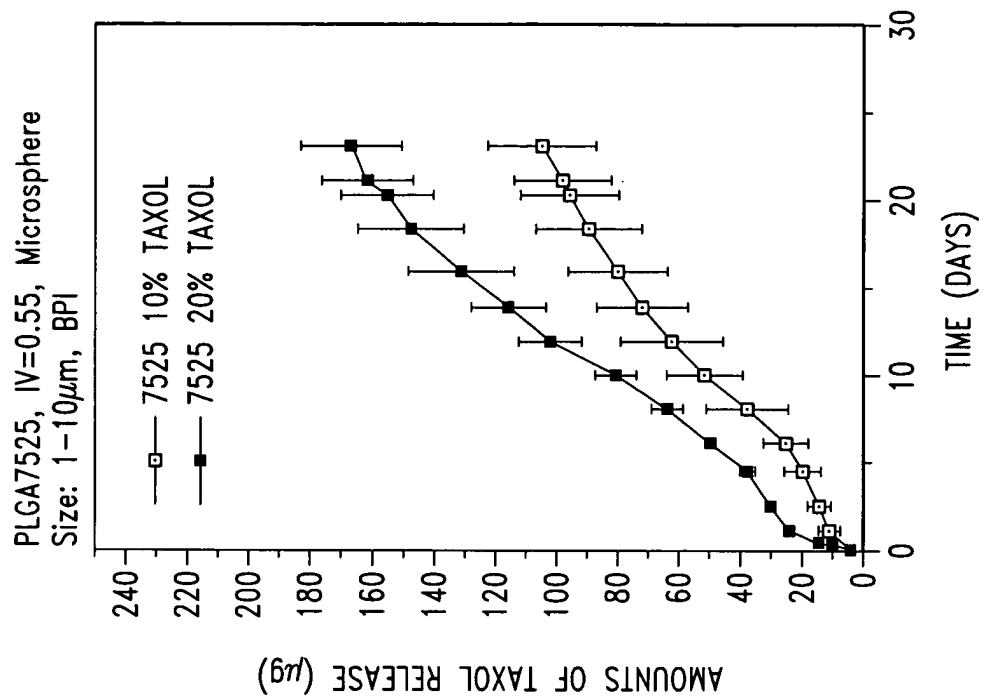
Fig. 39A



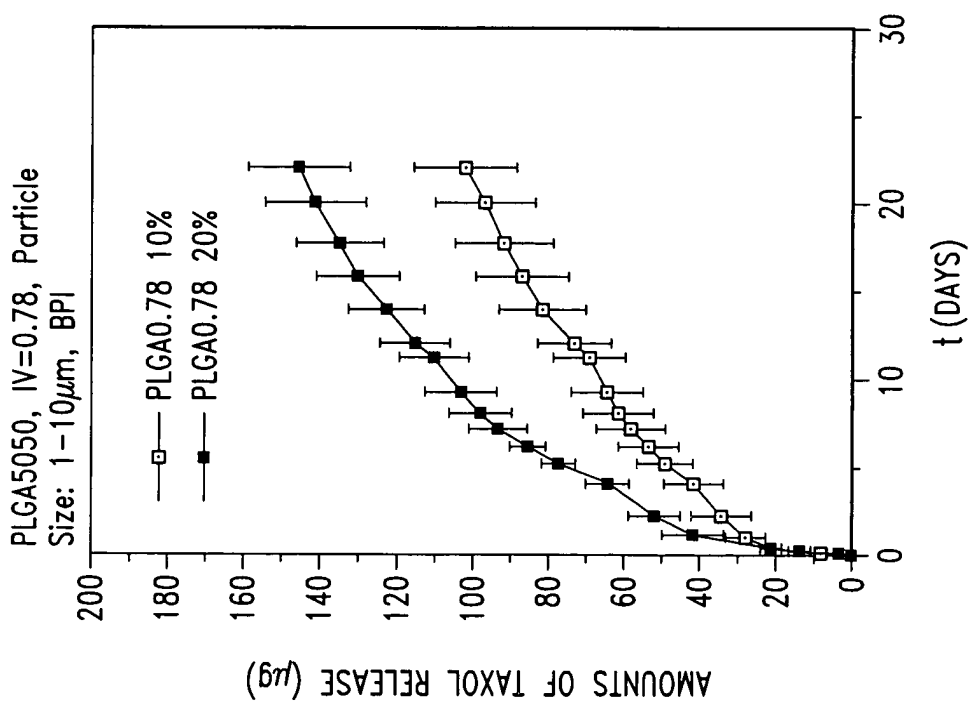
*Fig. 40B*



*Fig. 40A*



*Fig. 41B*



*Fig. 41A*

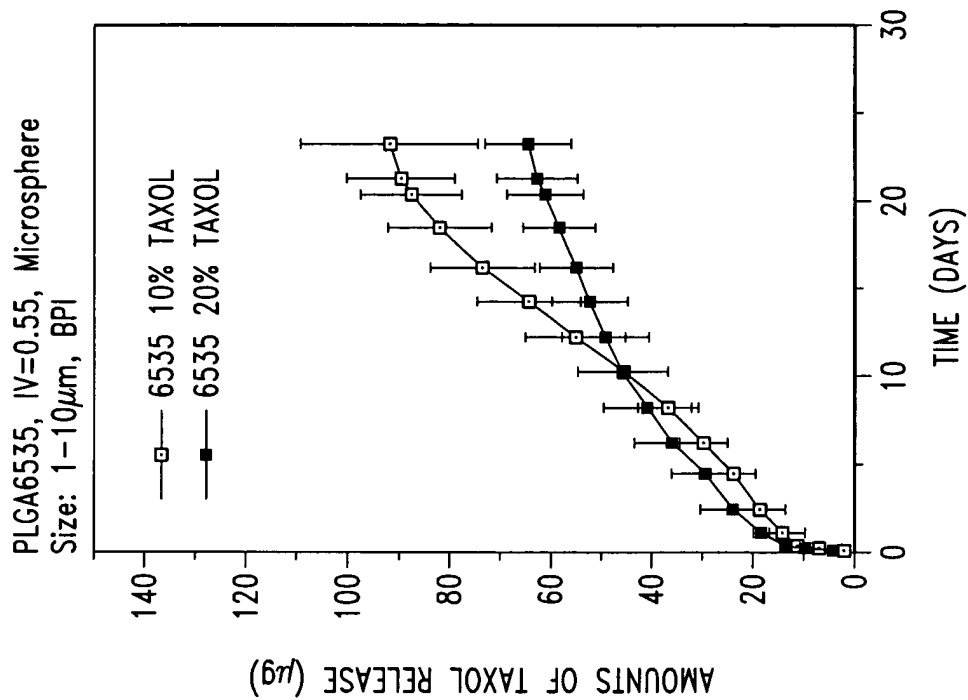


Fig. 42B

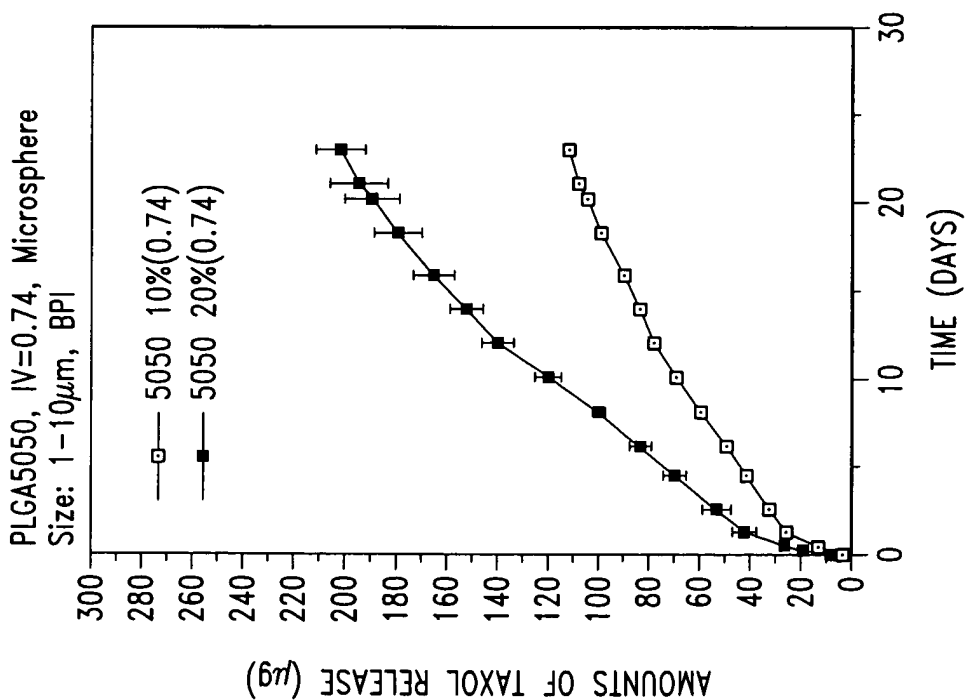
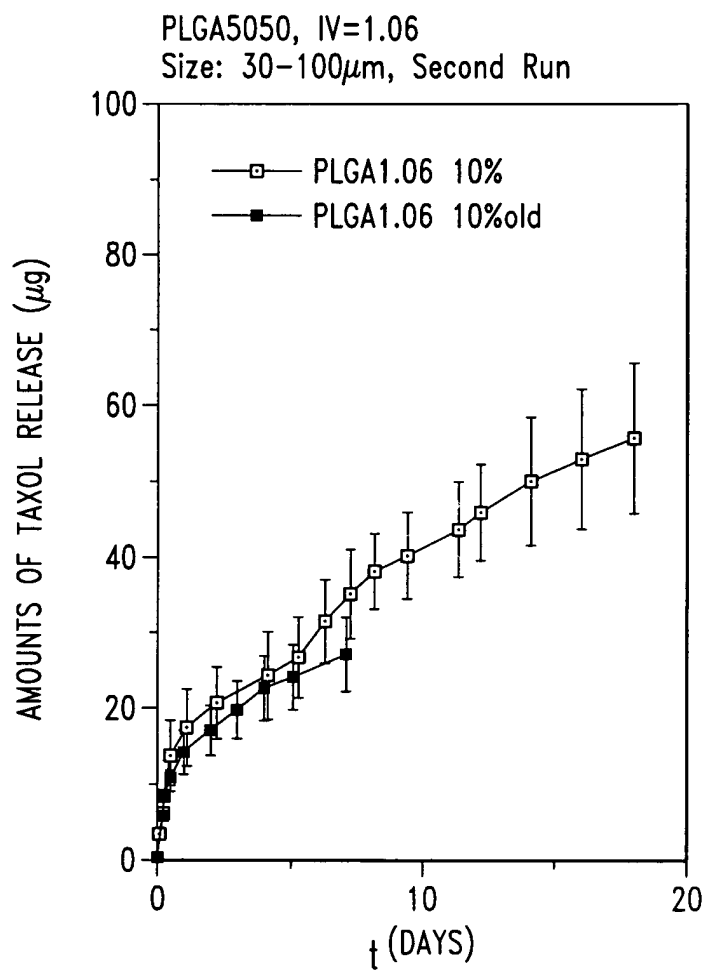


Fig. 42A



*Fig. 42C*

## MOLECULAR WEIGHTS, CMCs AND MAXIMUM TAXOL LOADINGS OF THE DIBLOCK COPOLYMERS

POLYMERS	MOLECULAR WEIGHT		CMC AT 25°C, %		MAX. TAXOL LOADING, %
	CALCULATED	GPC	INTENSITY	ANISOTROPY	
PDLLA-MePEG					
2000-50/50	4000	5632	0.016	0.012	15
2000-40/60	3333	5339	0.03	0.016	10
5000-30/70	7142	14948	0.03	0.018	5
5000-20/80	6250	13745	--	--	3
PCL-MePEG					
2000-40/60	4000	6125	--	--	30
5000-30/70	7142	17703	--	--	10
PDLLACL-MePEG					
2000-20/20/60	4000	5575	0.05	0.07	30
5000-15/15/70	7142	15498	0.05	0.07	10

*Fig. 43*

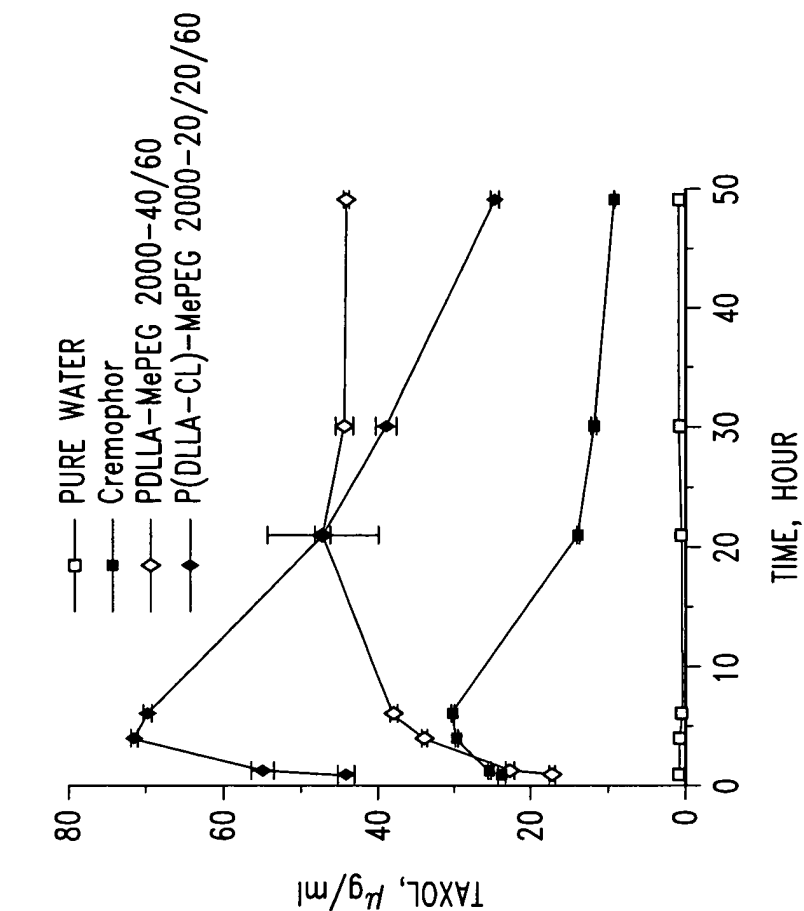


Fig. 44A

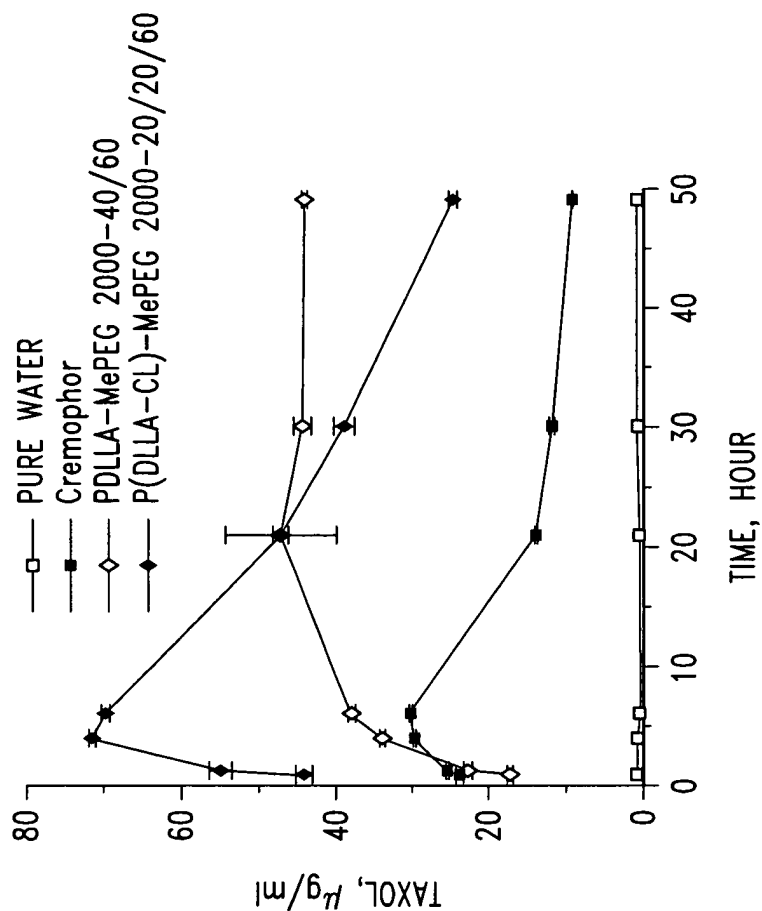


Fig. 44B



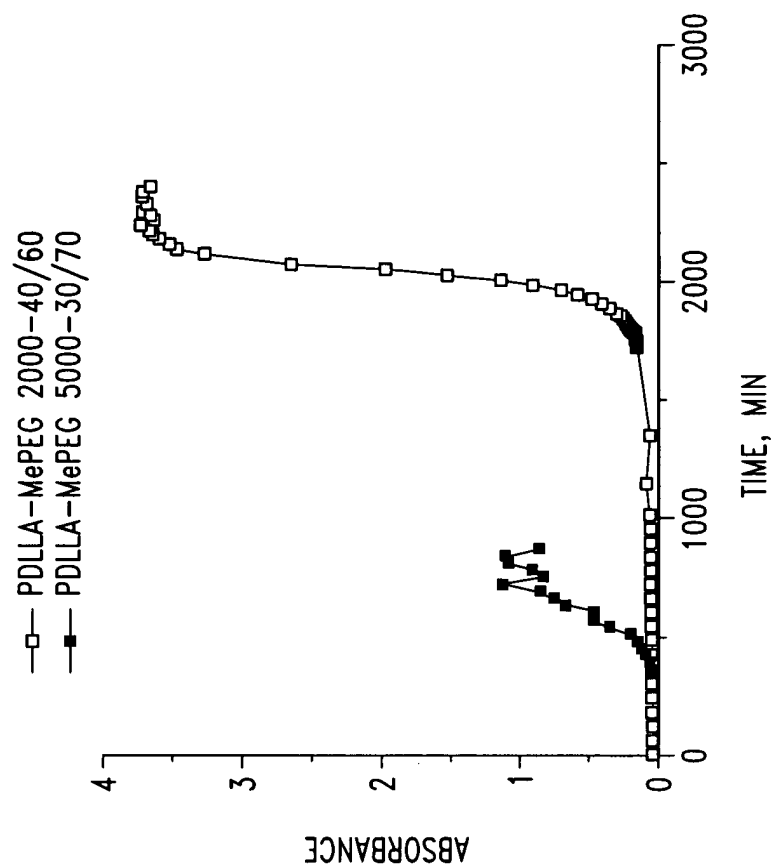


Fig. 45B

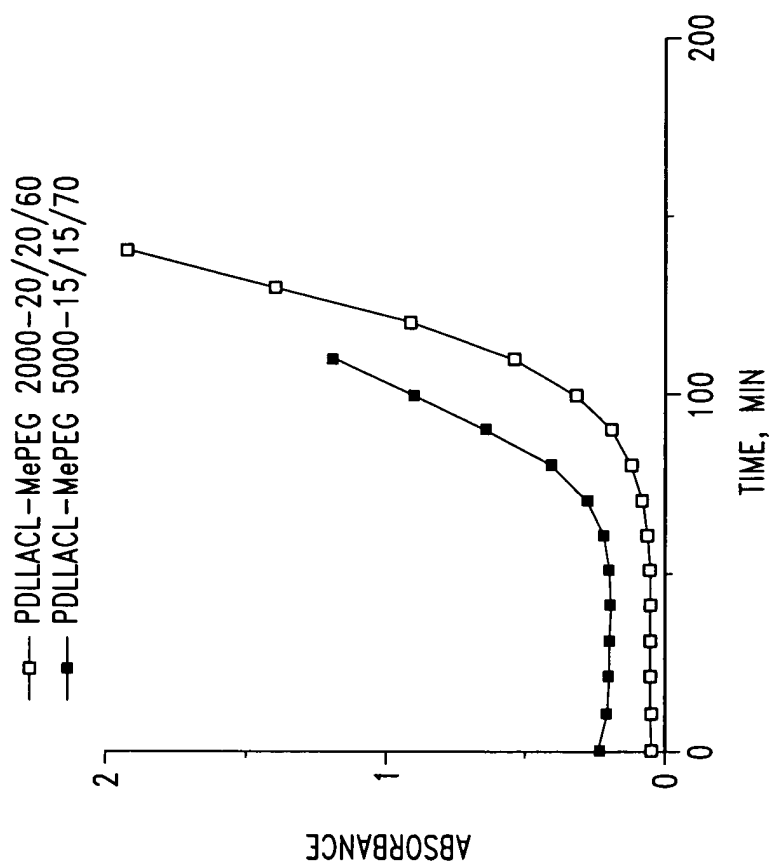
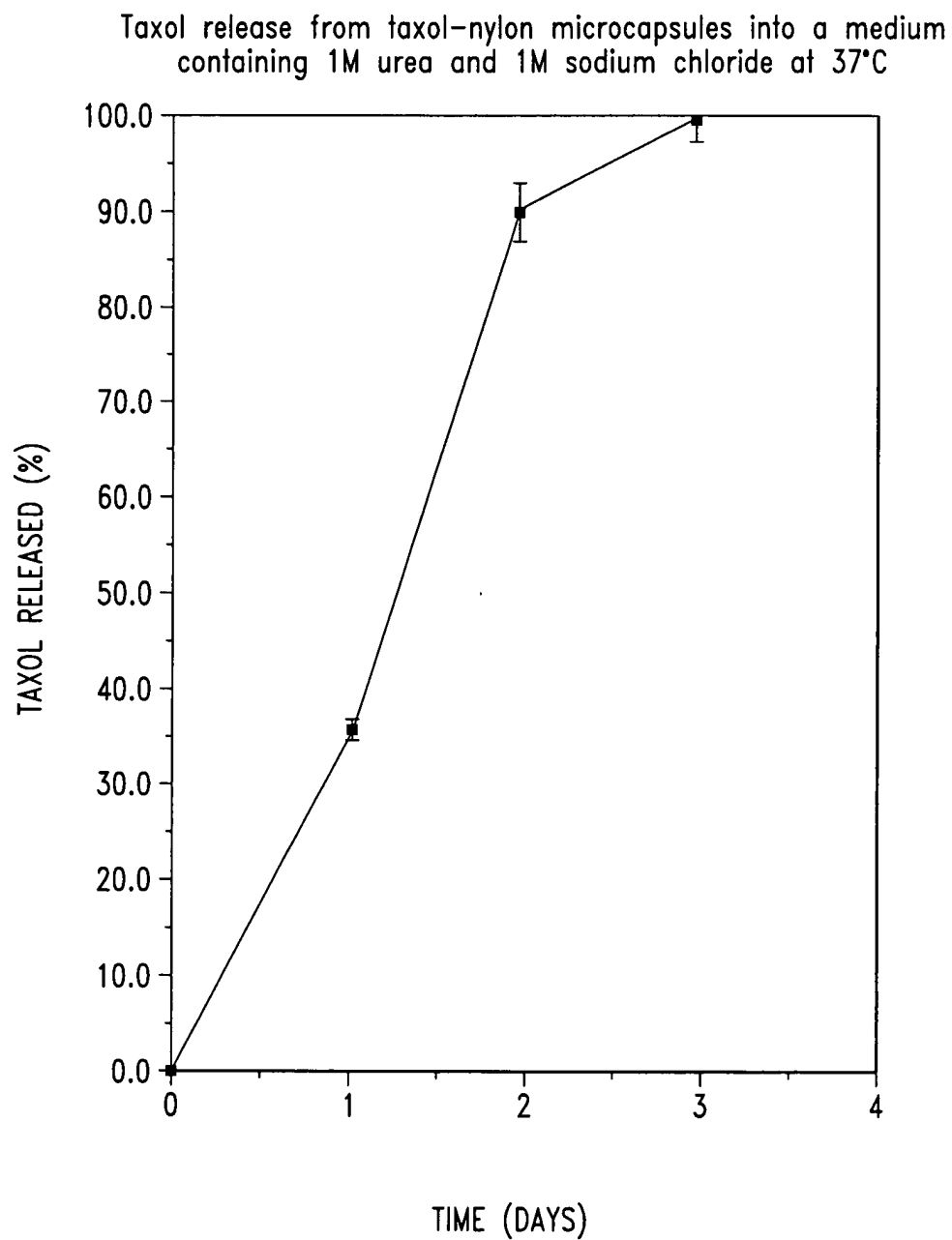
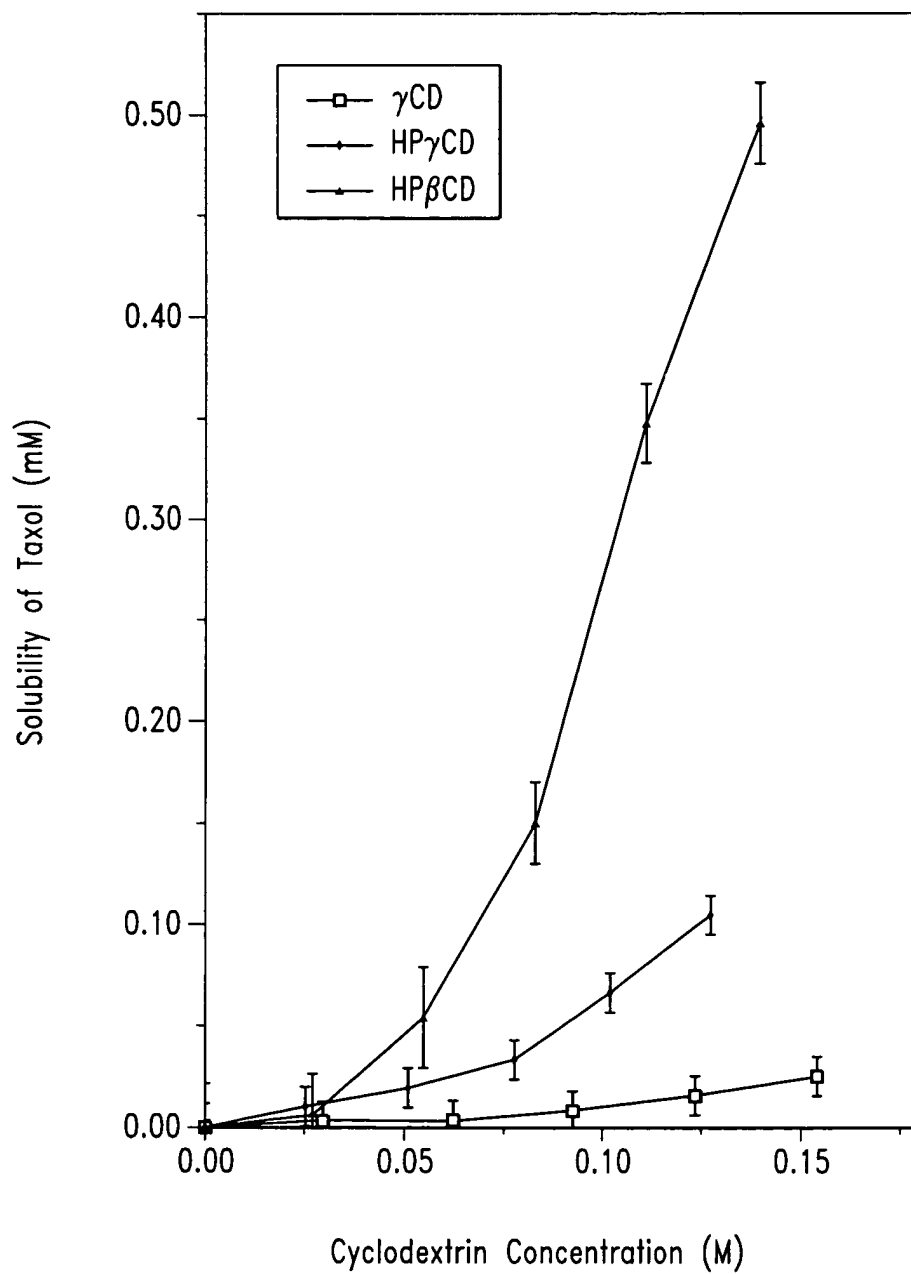


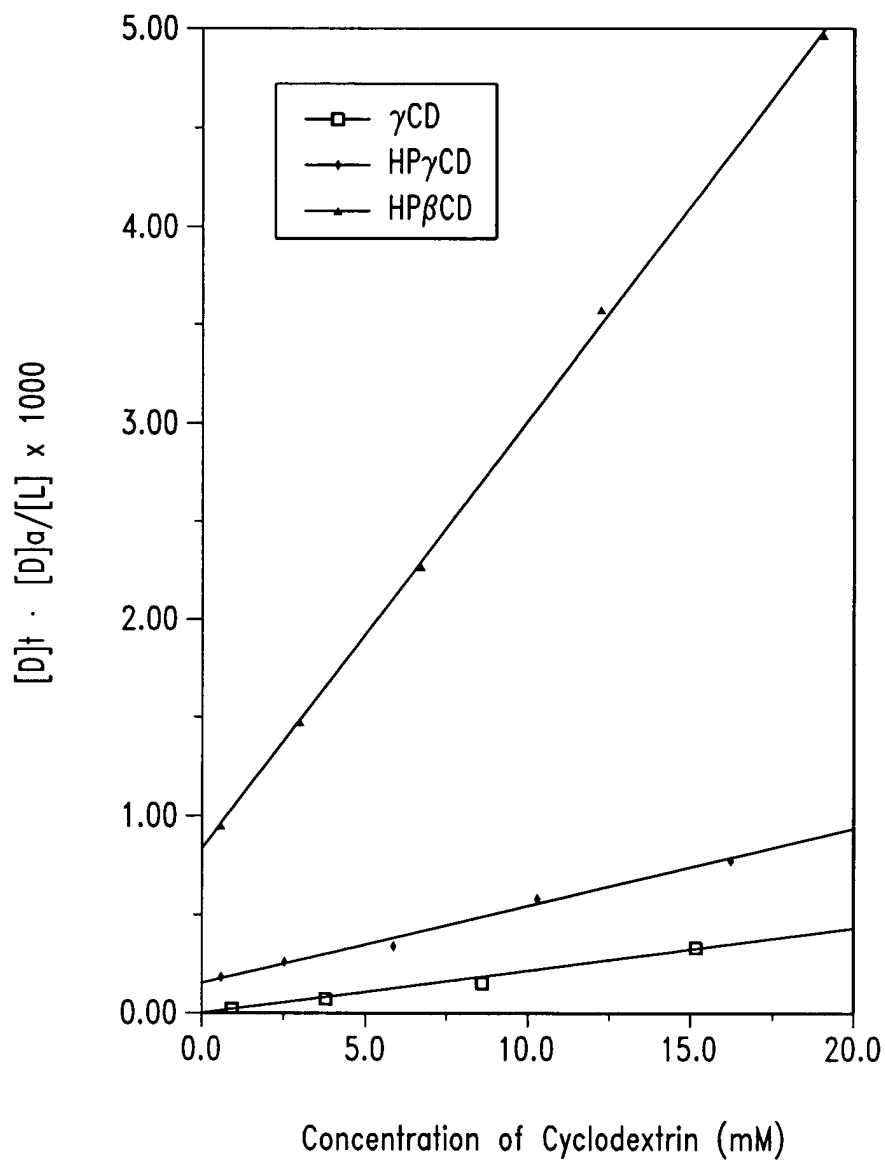
Fig. 45A



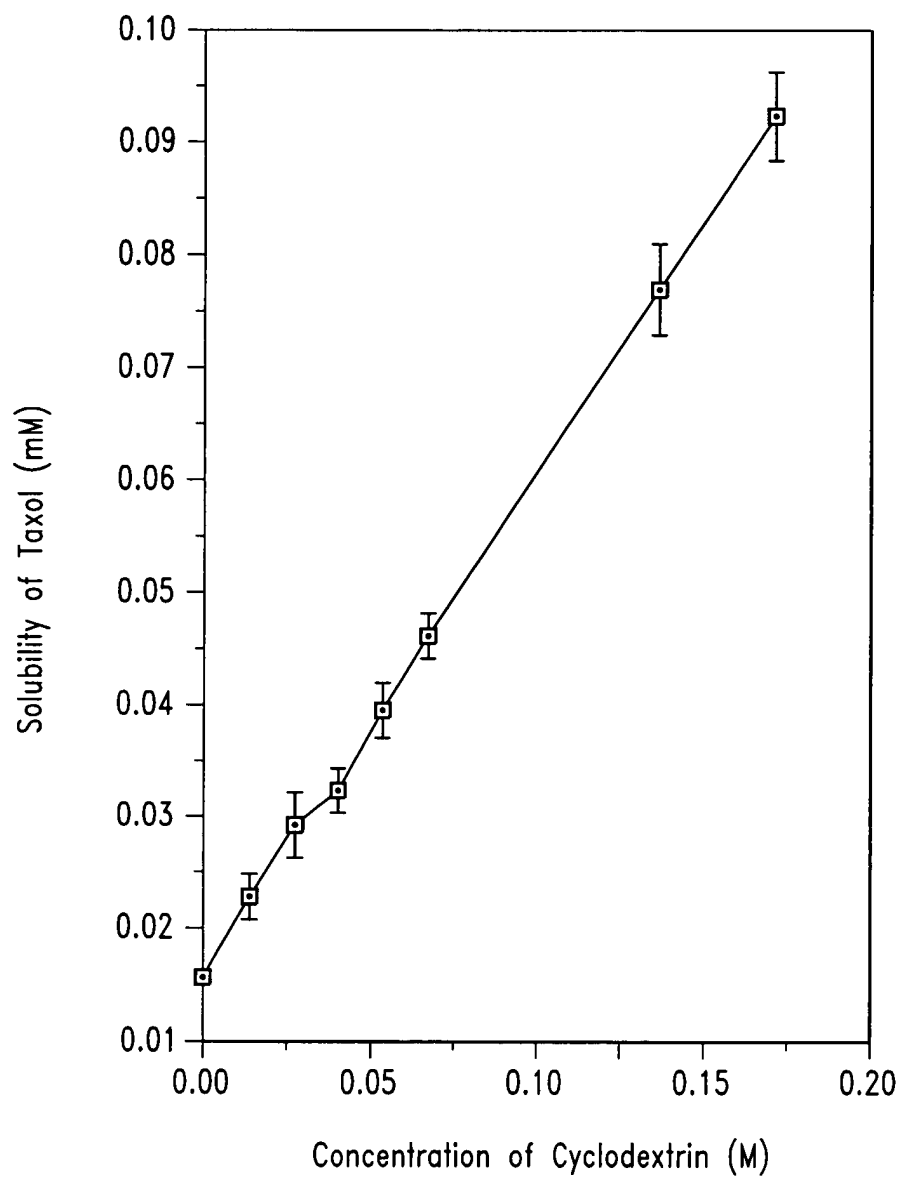
*Fig. 46*



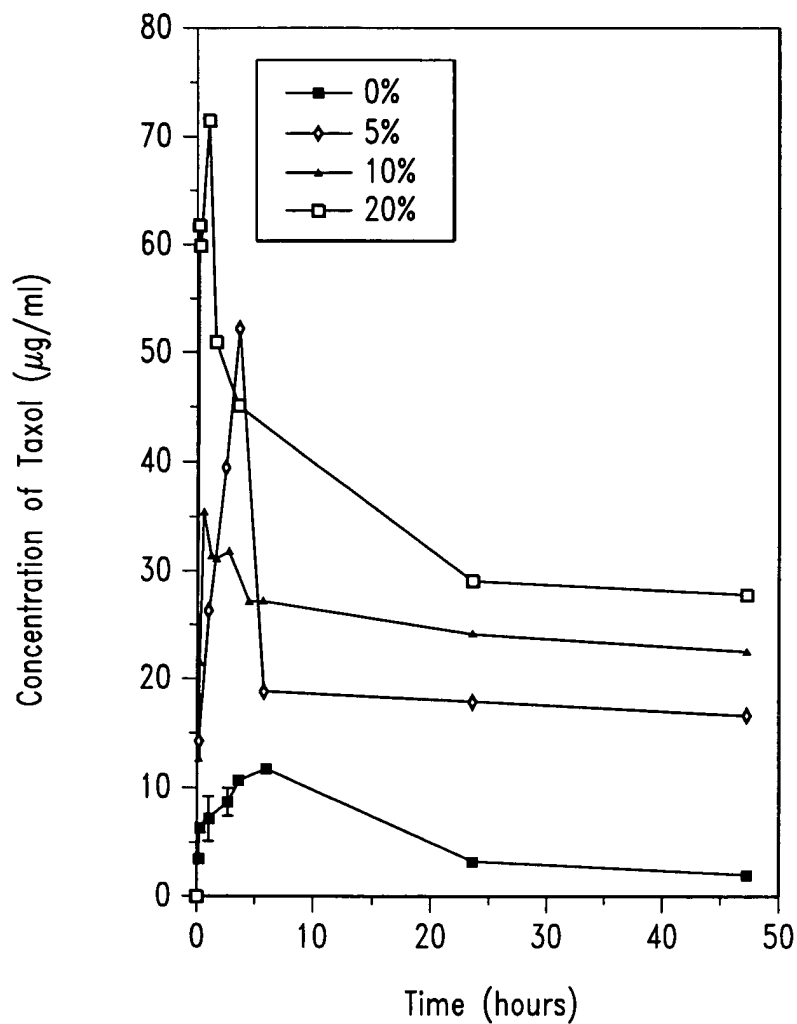
*Fig. 47*



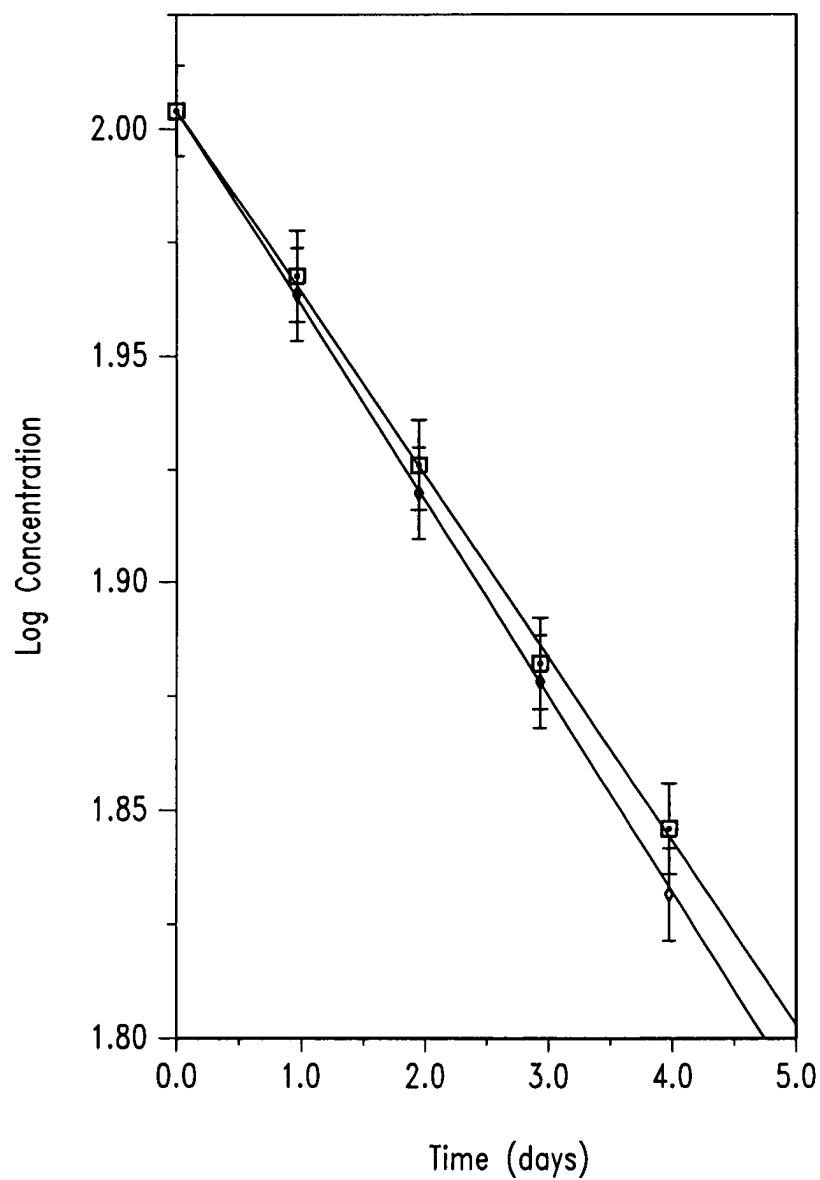
*Fig. 48*



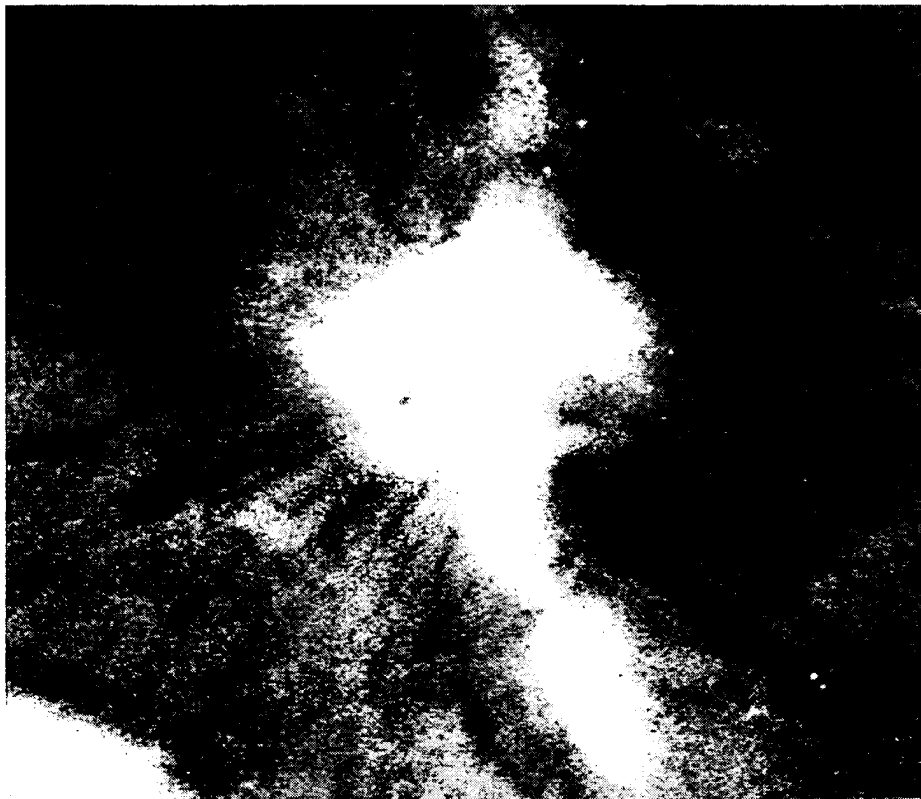
*Fig. 49*



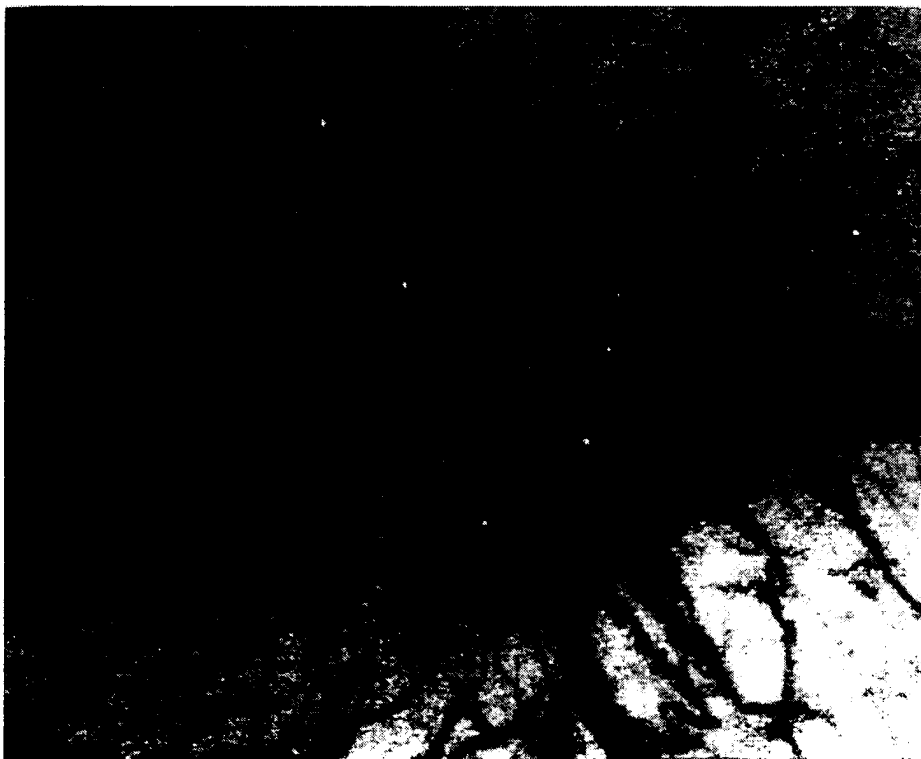
*Fig. 50*



*Fig. 51*



*Fig. 51A*



*Fig. 51B*

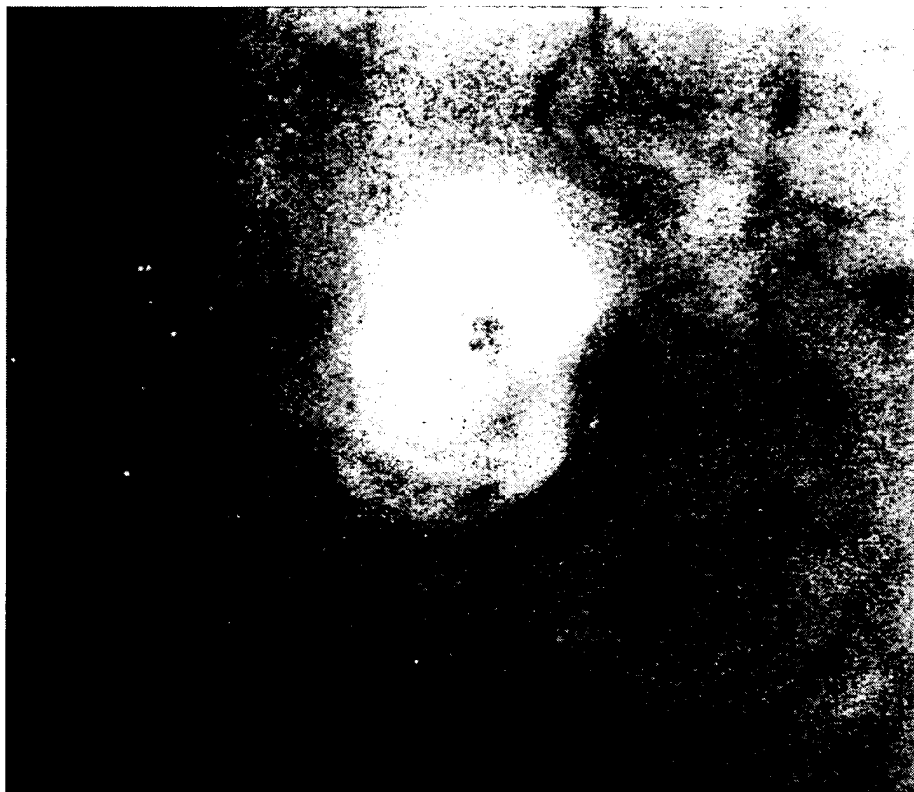


Title: COMPOSITIONS AND METHODS FOR TREATING OR PREVENTING DISEASES OF BODY PASSAGEWAYS

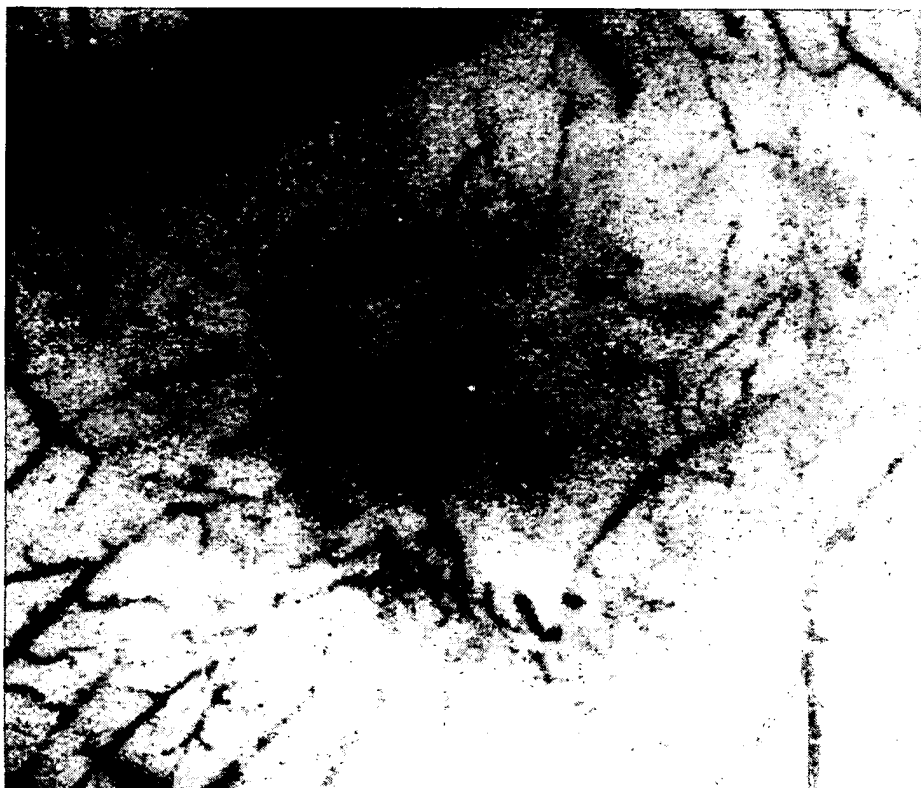
Inventor(s): William L. Hunter and Lindsay S. Machan

Express Mail No. EV348170571US

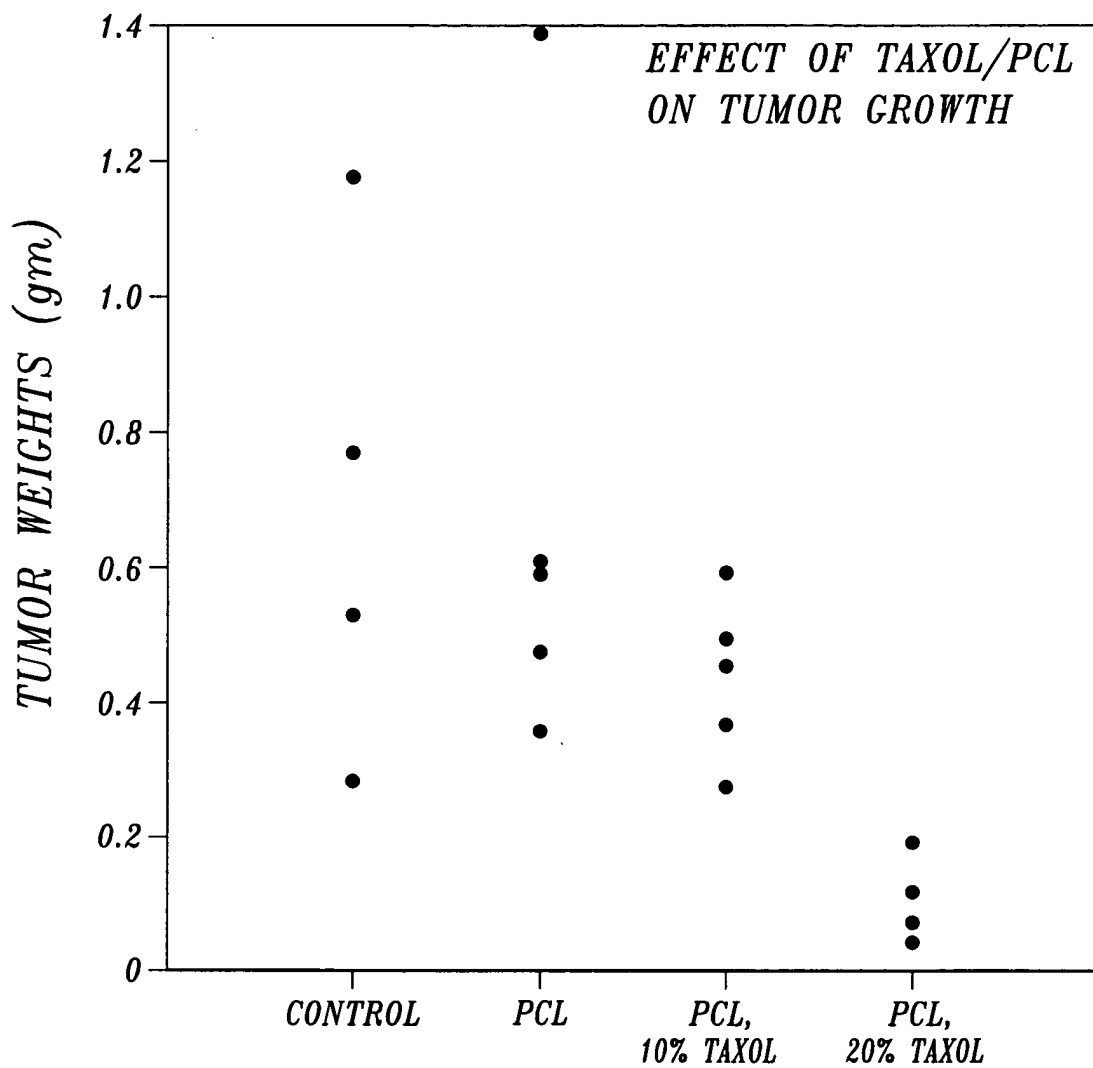
Docket No. 110129.405C3



*Fig. 51C*



*Fig. 51D*



*Fig. 52A*



**Control**



**20% taxol-paste**

**cross sections of tumors**

*Fig. 52B*



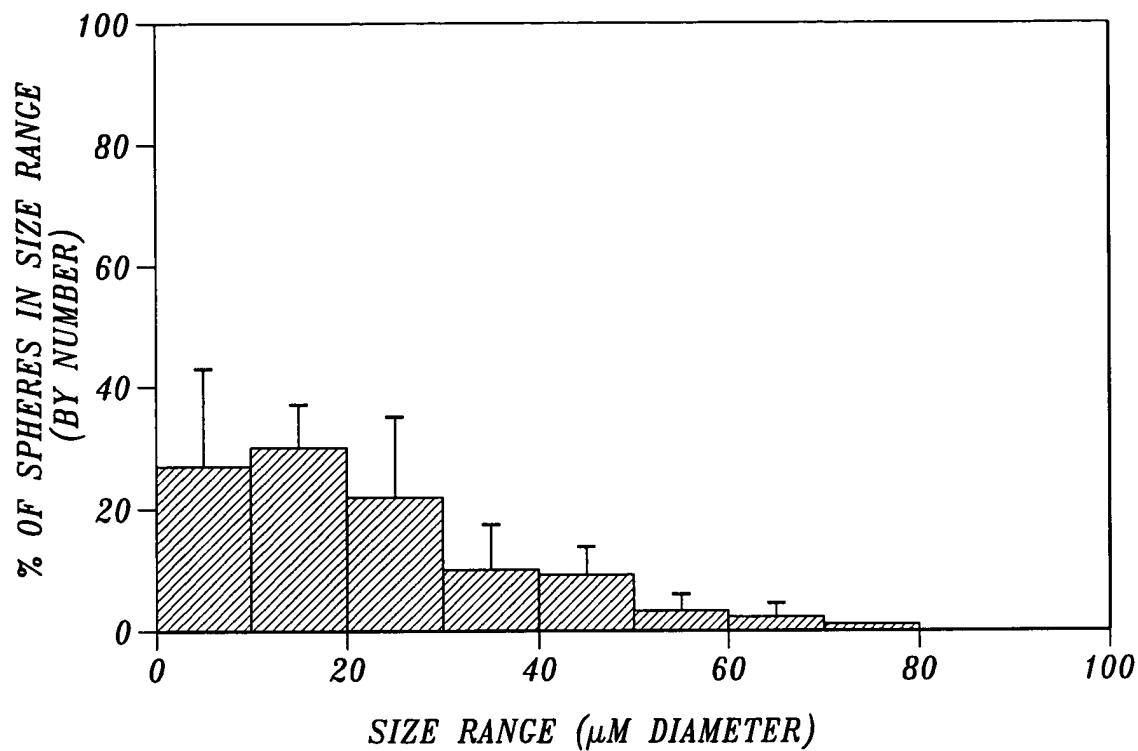
**20% taxol-paste**



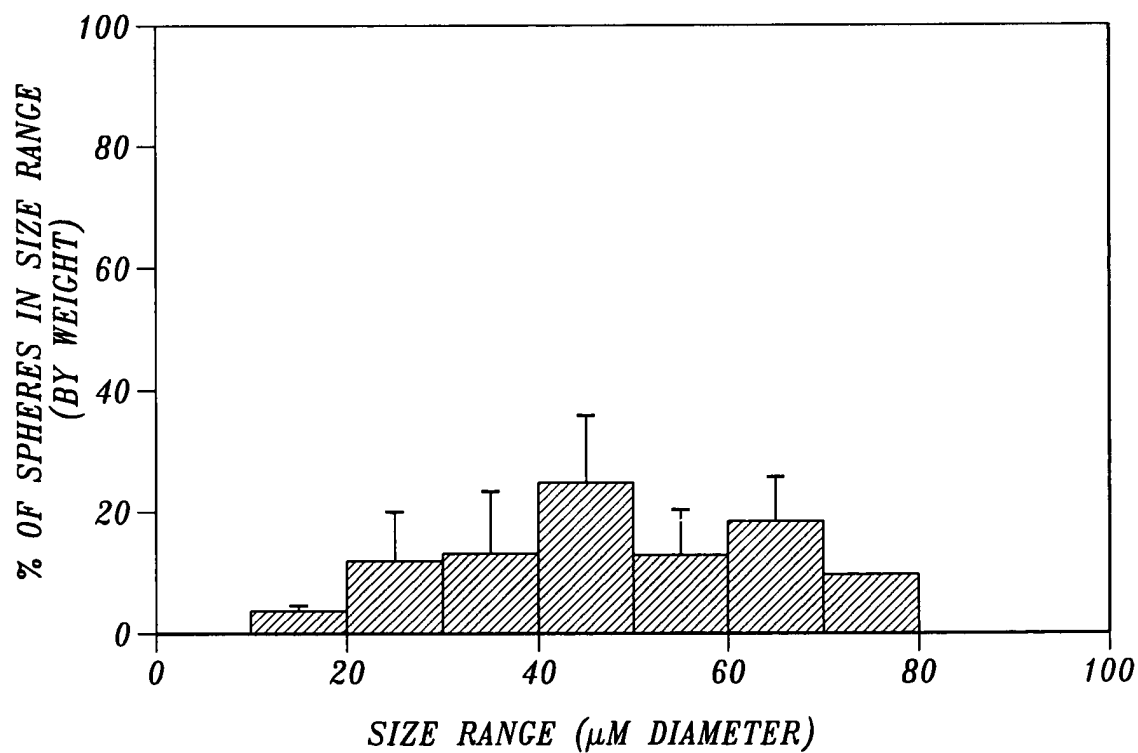
**10% taxol-paste**

**cross sections of tumors**

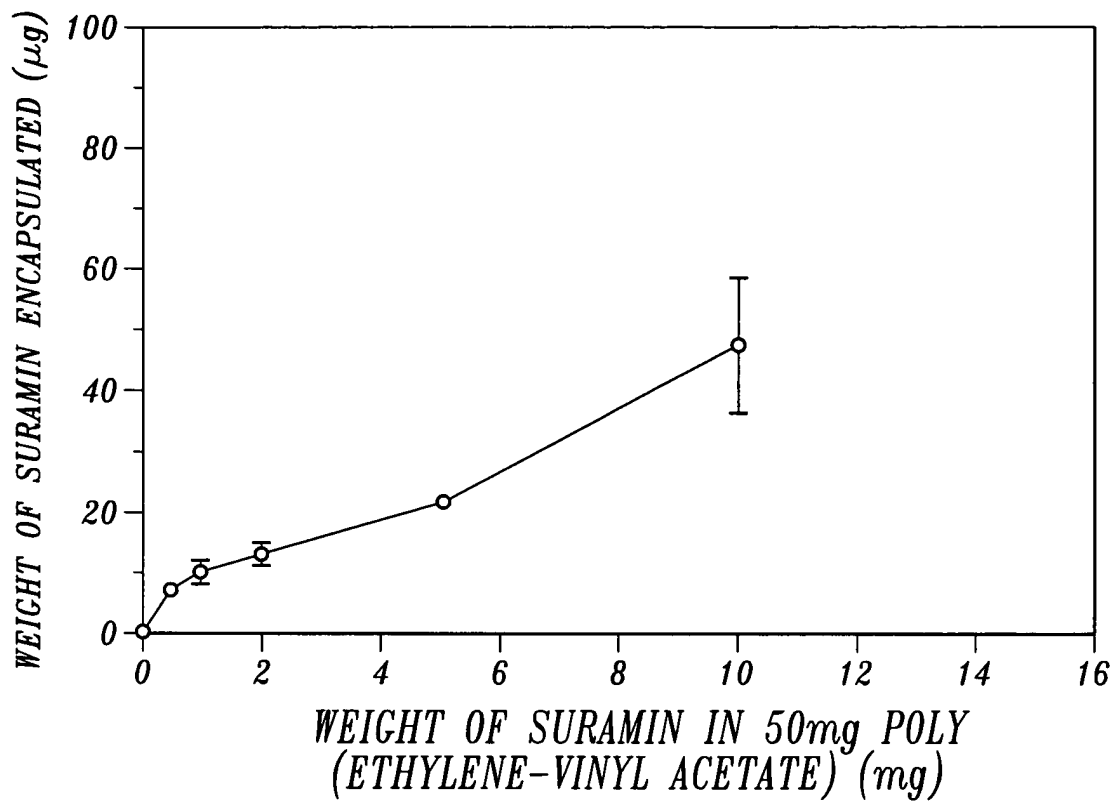
*Fig. 52C*



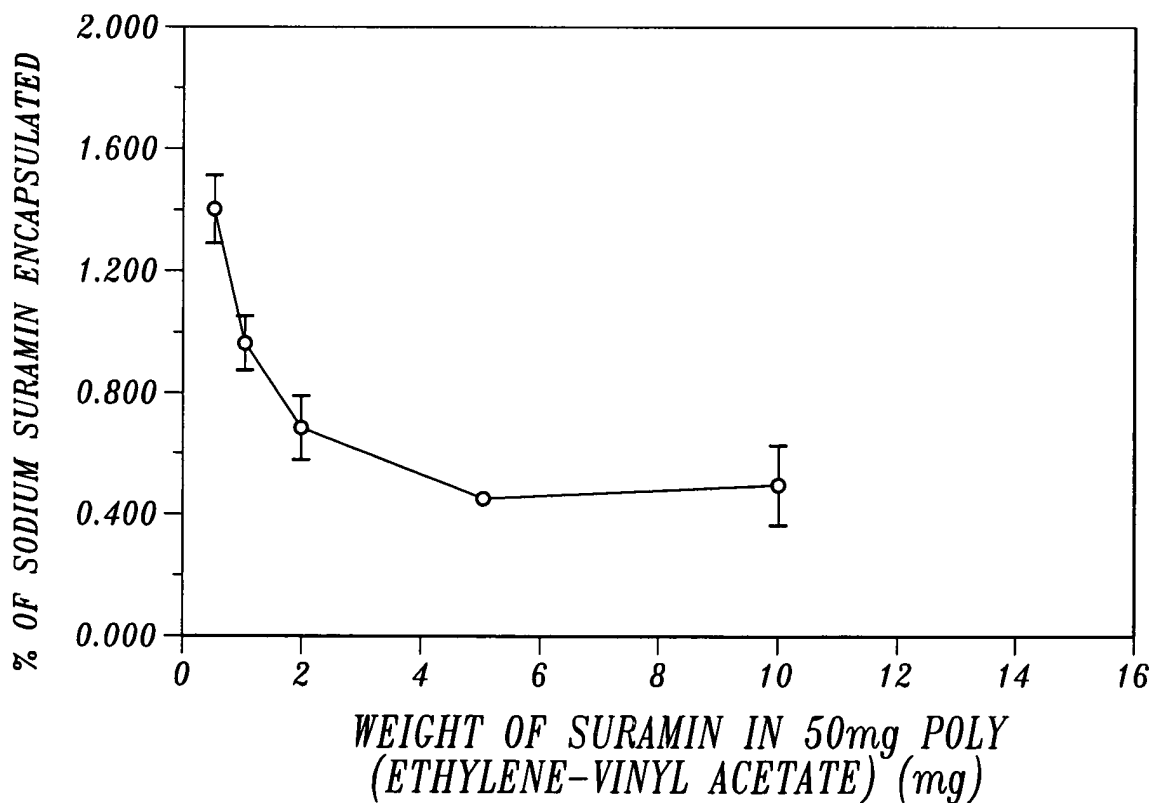
*Fig. 53*



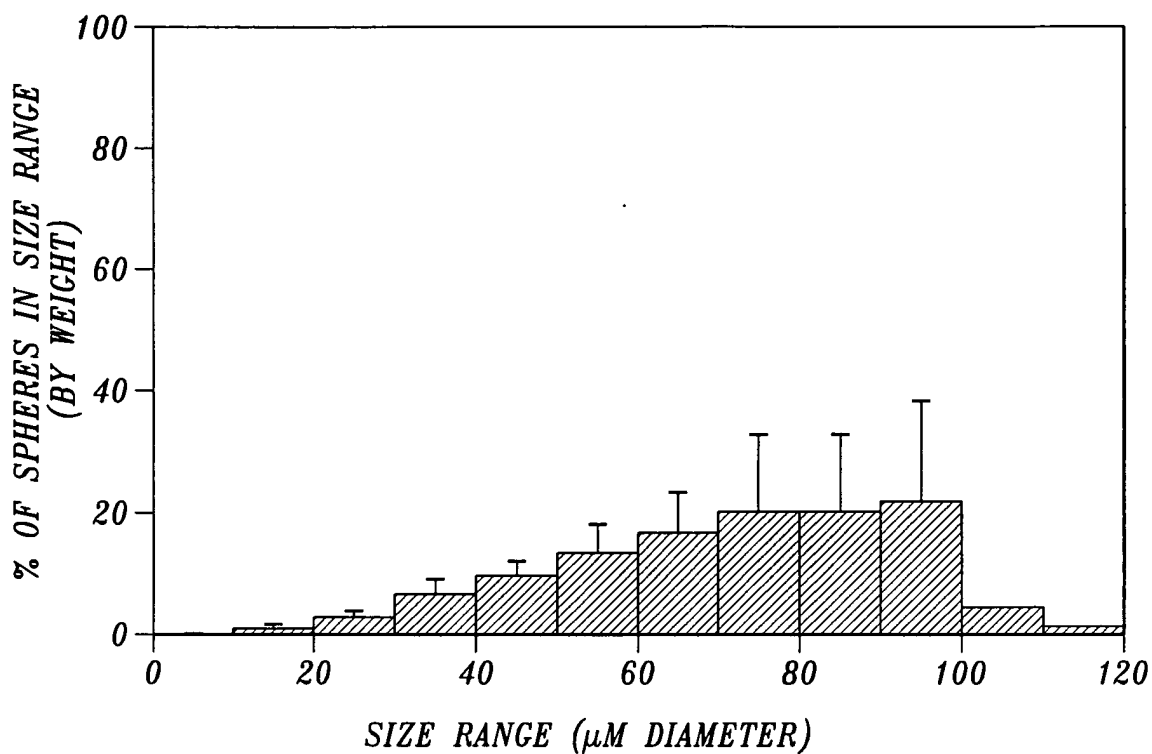
*Fig. 54*



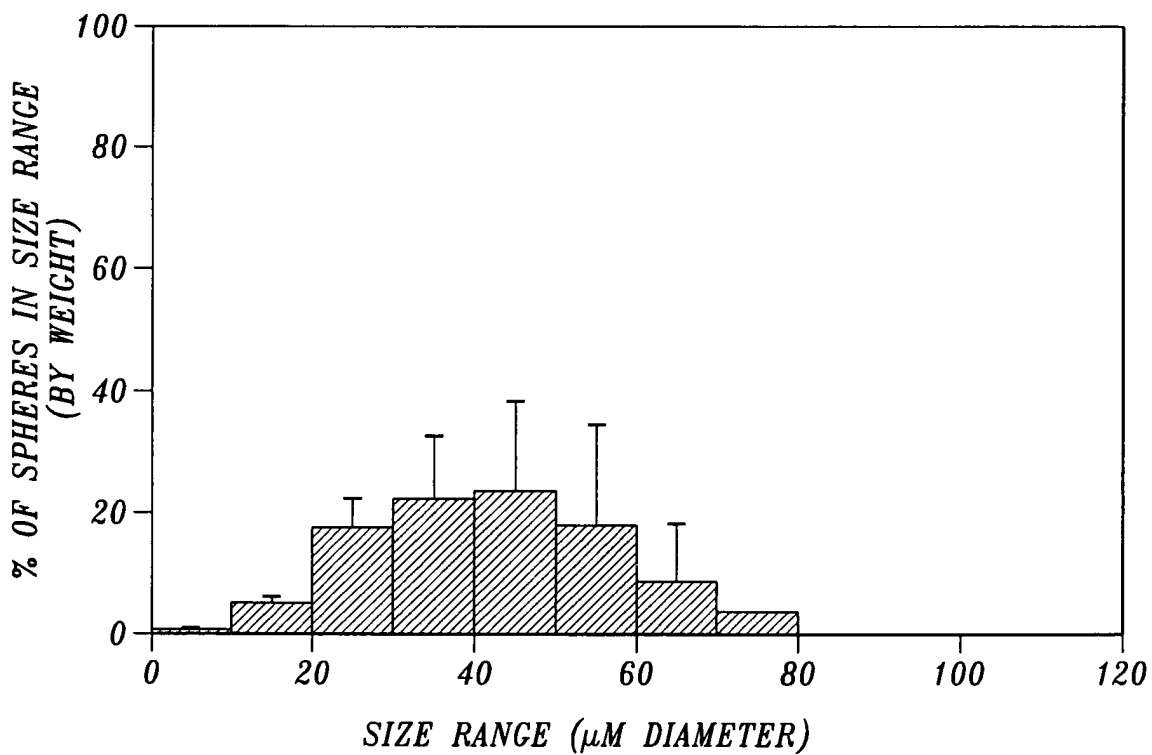
*Fig. 55*



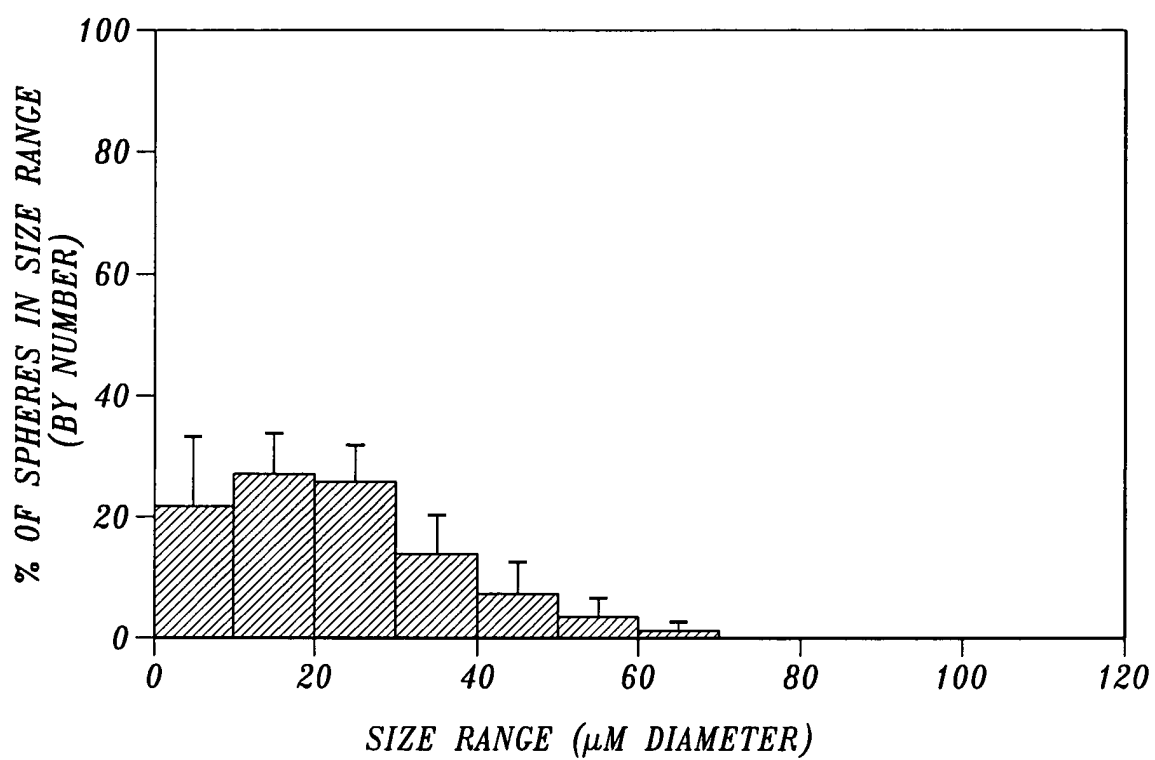
*Fig. 56*



*Fig. 57*



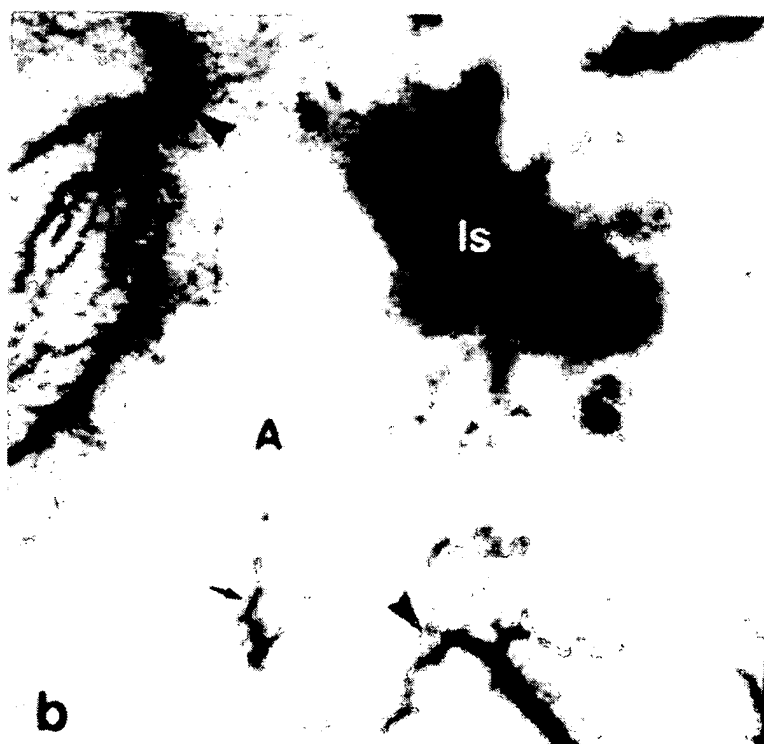
*Fig. 58*



*Fig. 59*

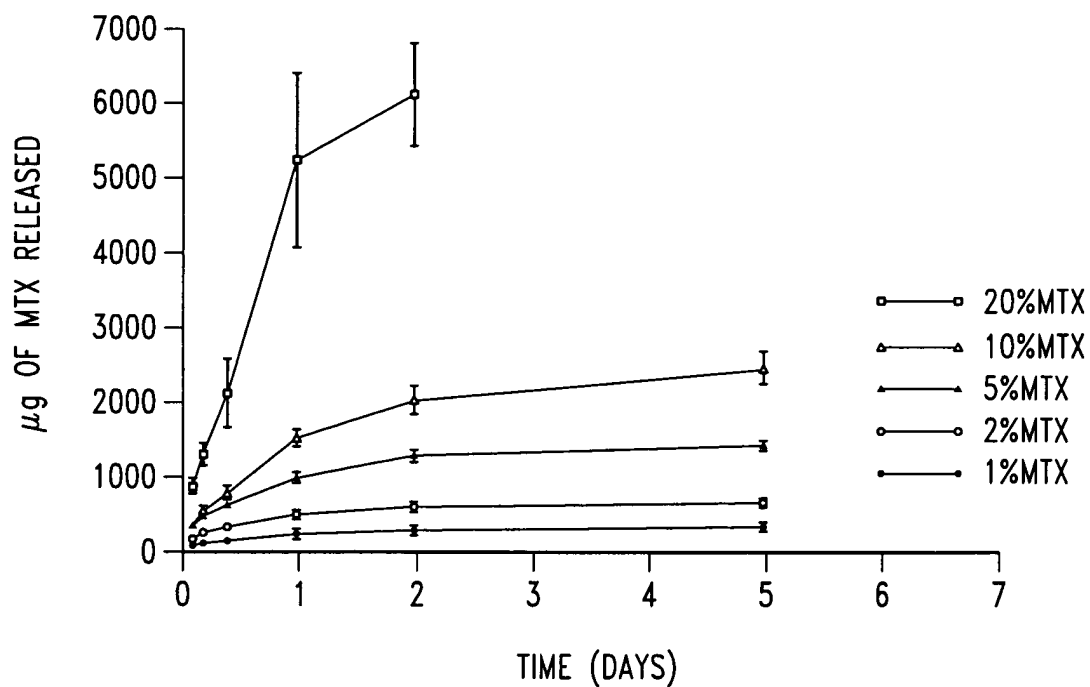


*Fig. 60A*

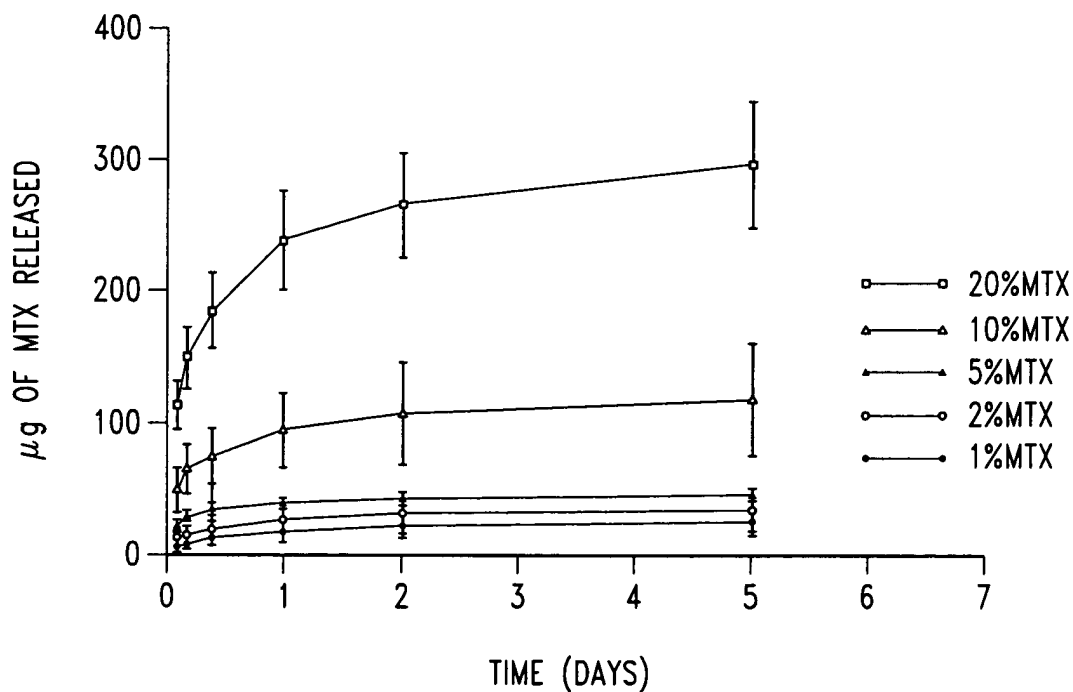


*Fig. 60B*

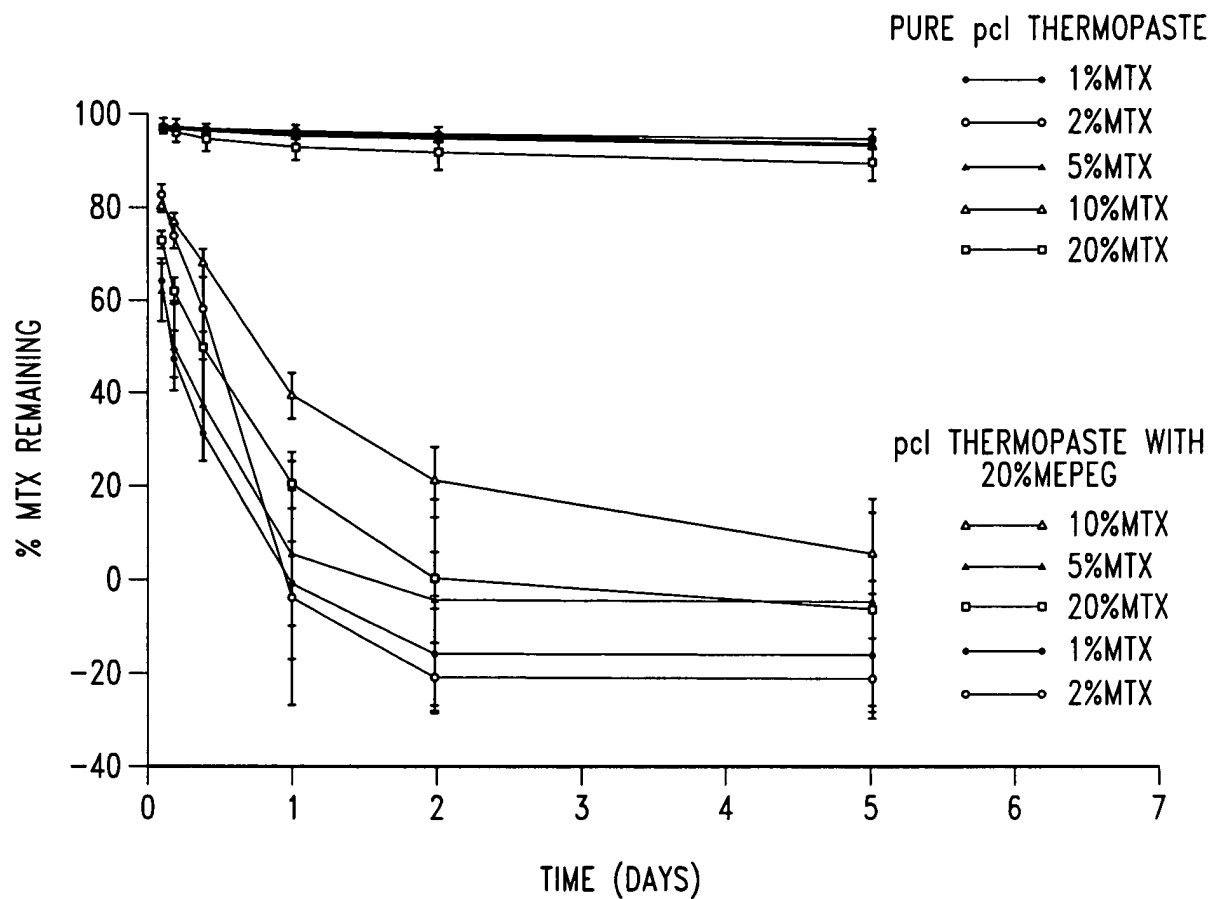




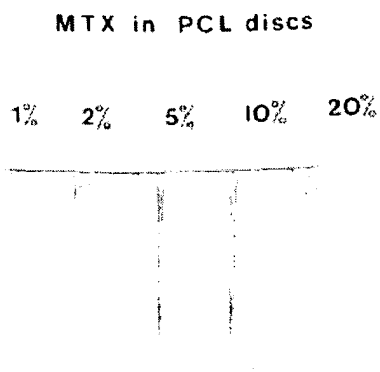
*Fig. 61A*



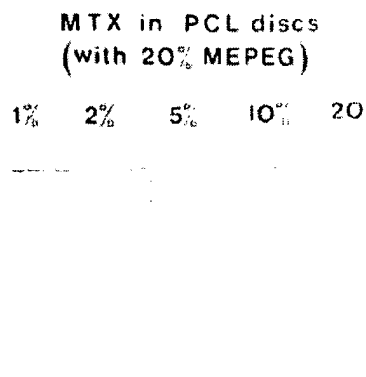
*Fig. 61B*



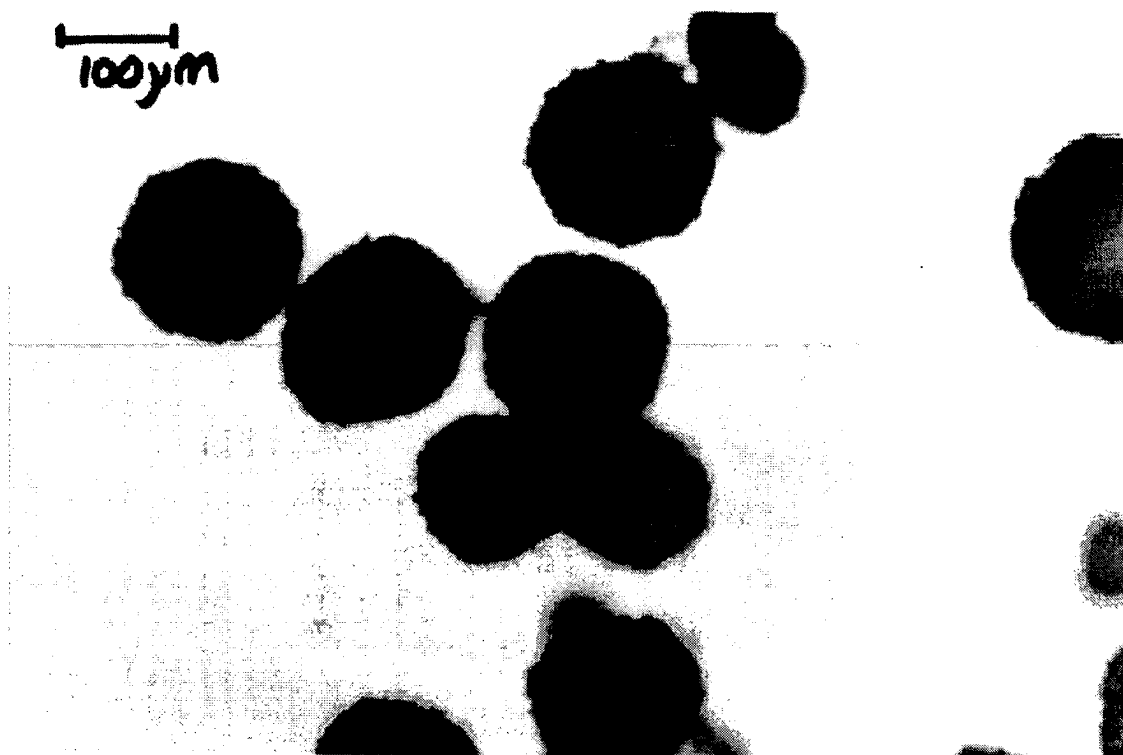
*Fig. 61C*



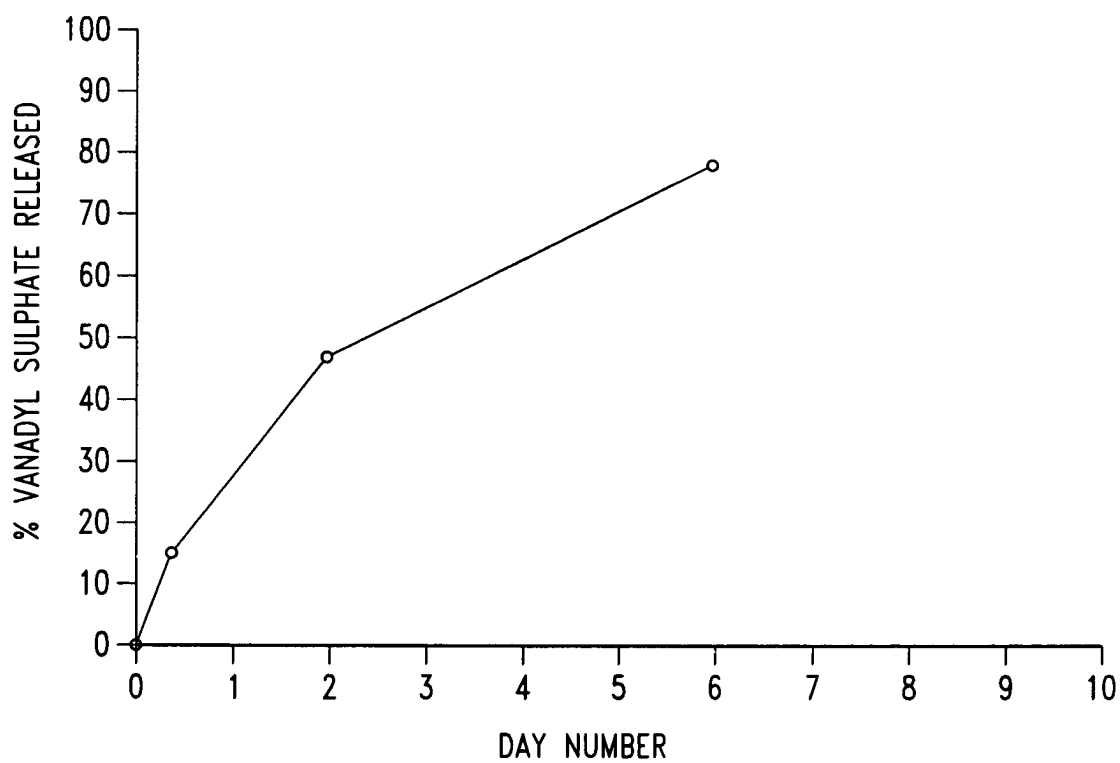
*Fig. 61D*



*Fig. 61E*



*Fig. 62*



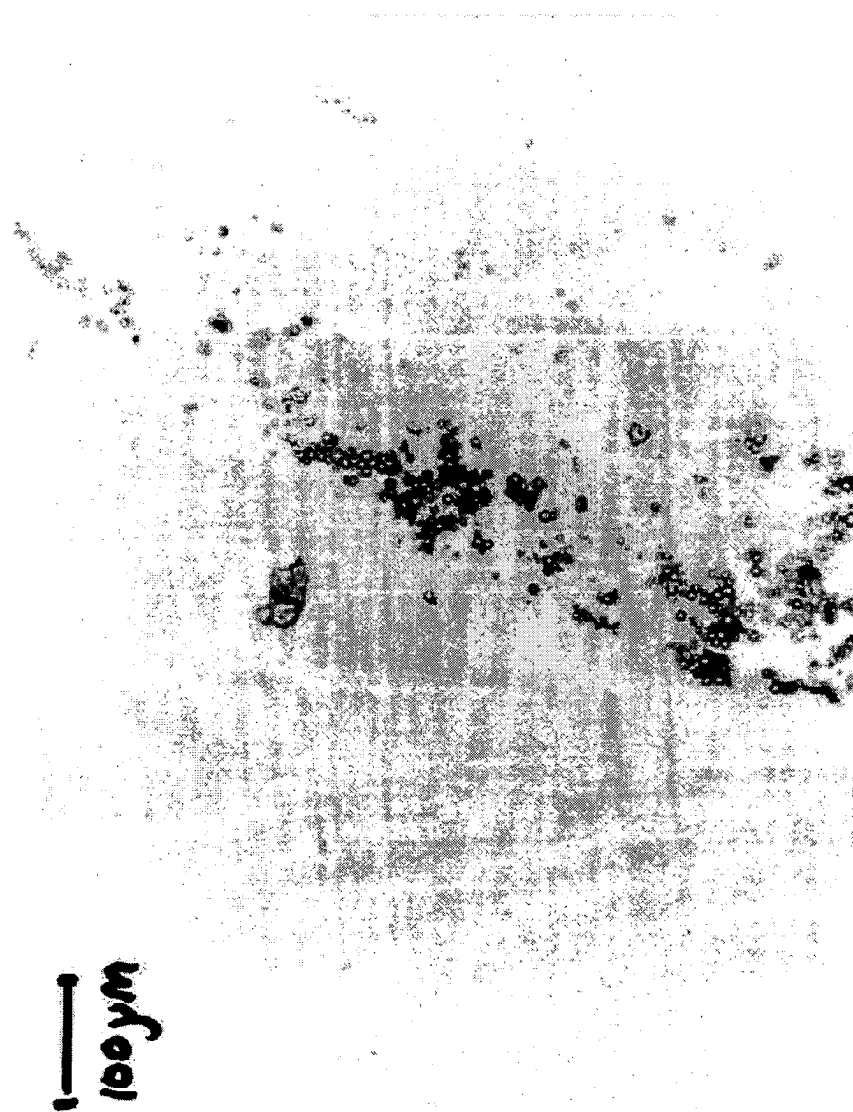
*Fig. 63*

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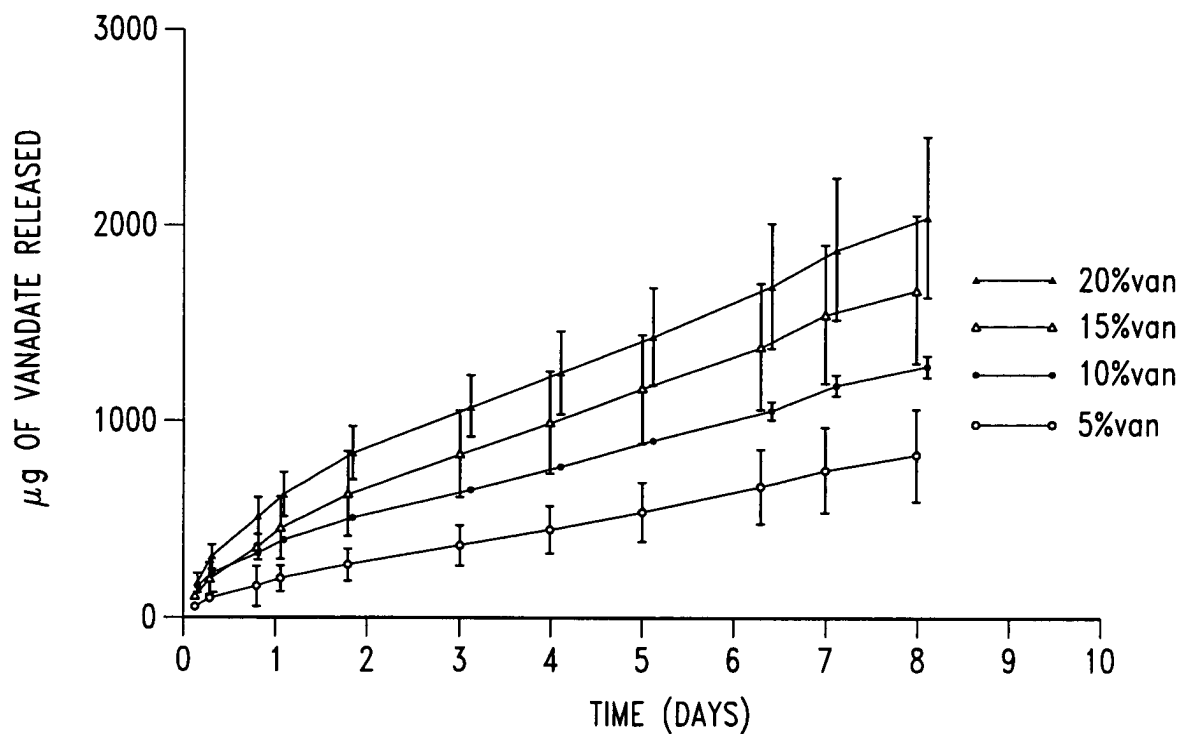
Inventor(s): William L. Hunter and Lindsay S. Machan

Express Mail No. EV348170571US

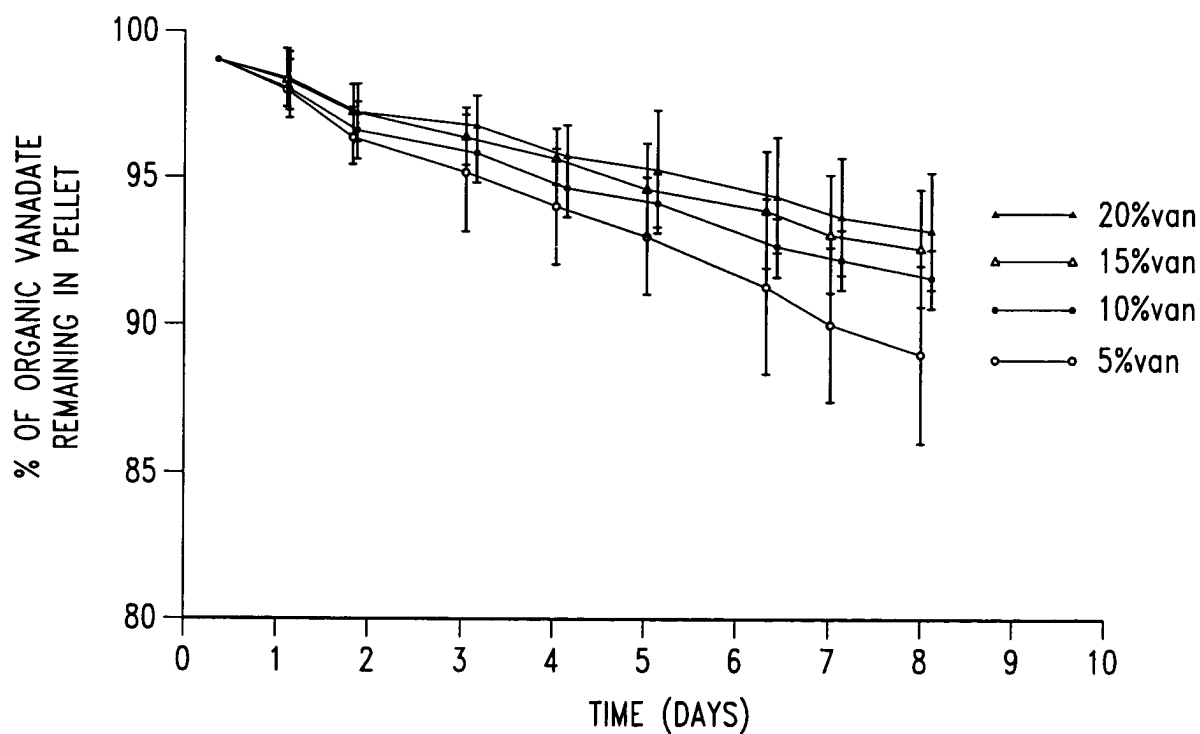
Docket No. 110129.405C3



*Fig. 64*



*Fig. 65A*



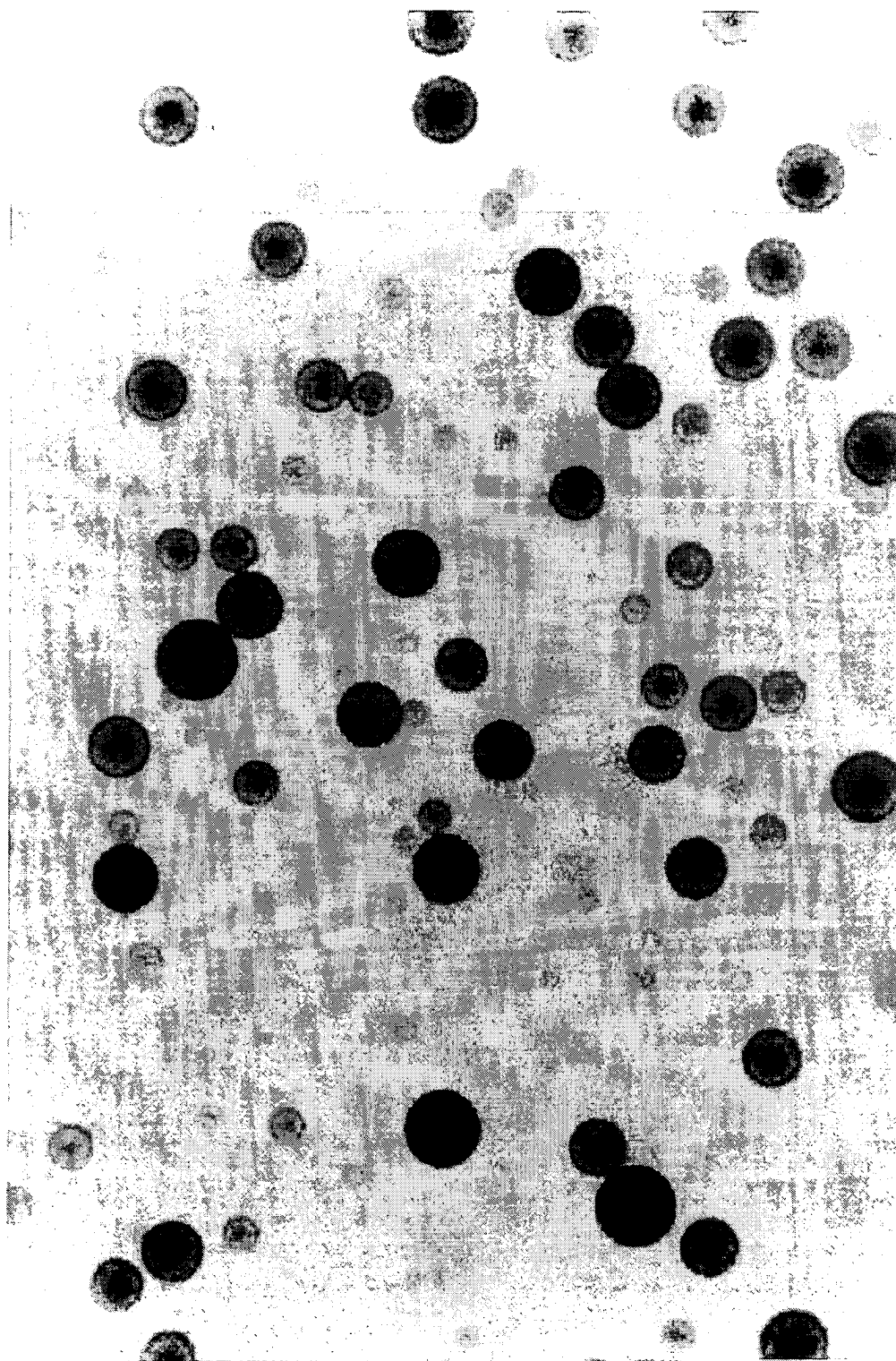
*Fig. 65B*

Title: COMPOSITIONS AND METHODS FOR TREATING OR PREVENTING DISEASES OF BODY PASSAGEWAYS

Inventor(s): William L. Hunter and Lindsay S. Machan

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Docket No. 110129.405C3



*Fig. 66*

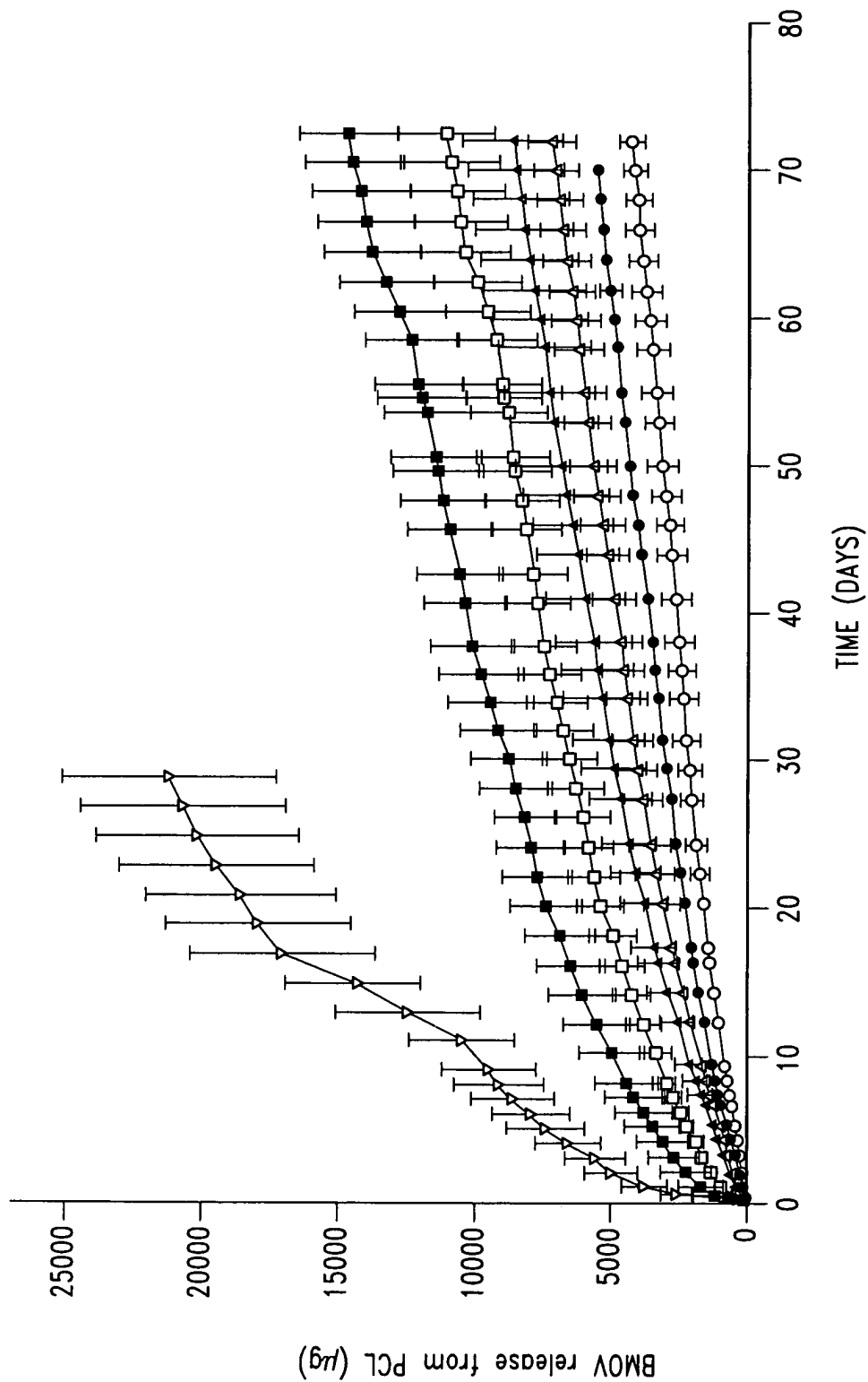
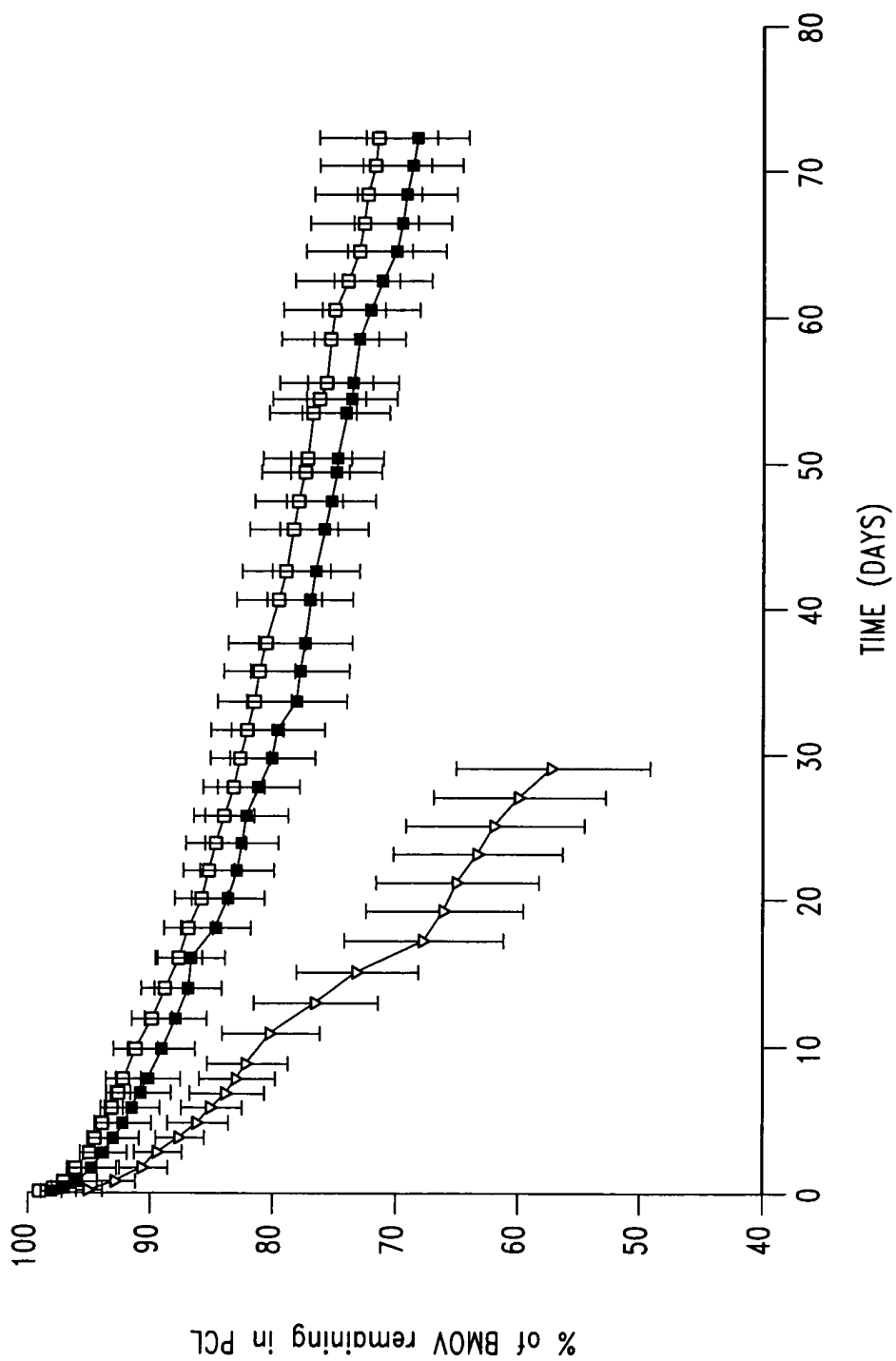


Fig. 67A



*Fig. 67B*



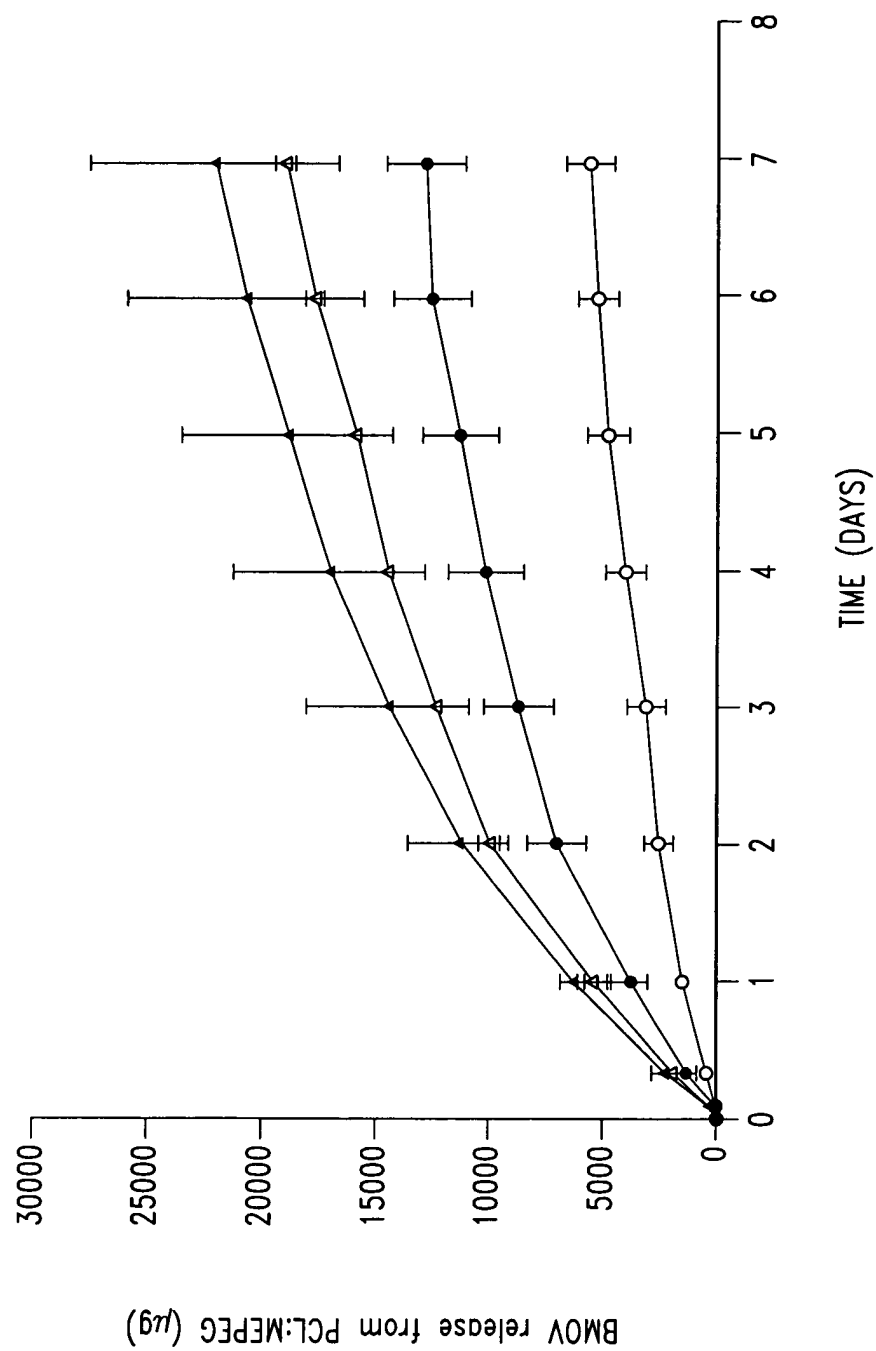


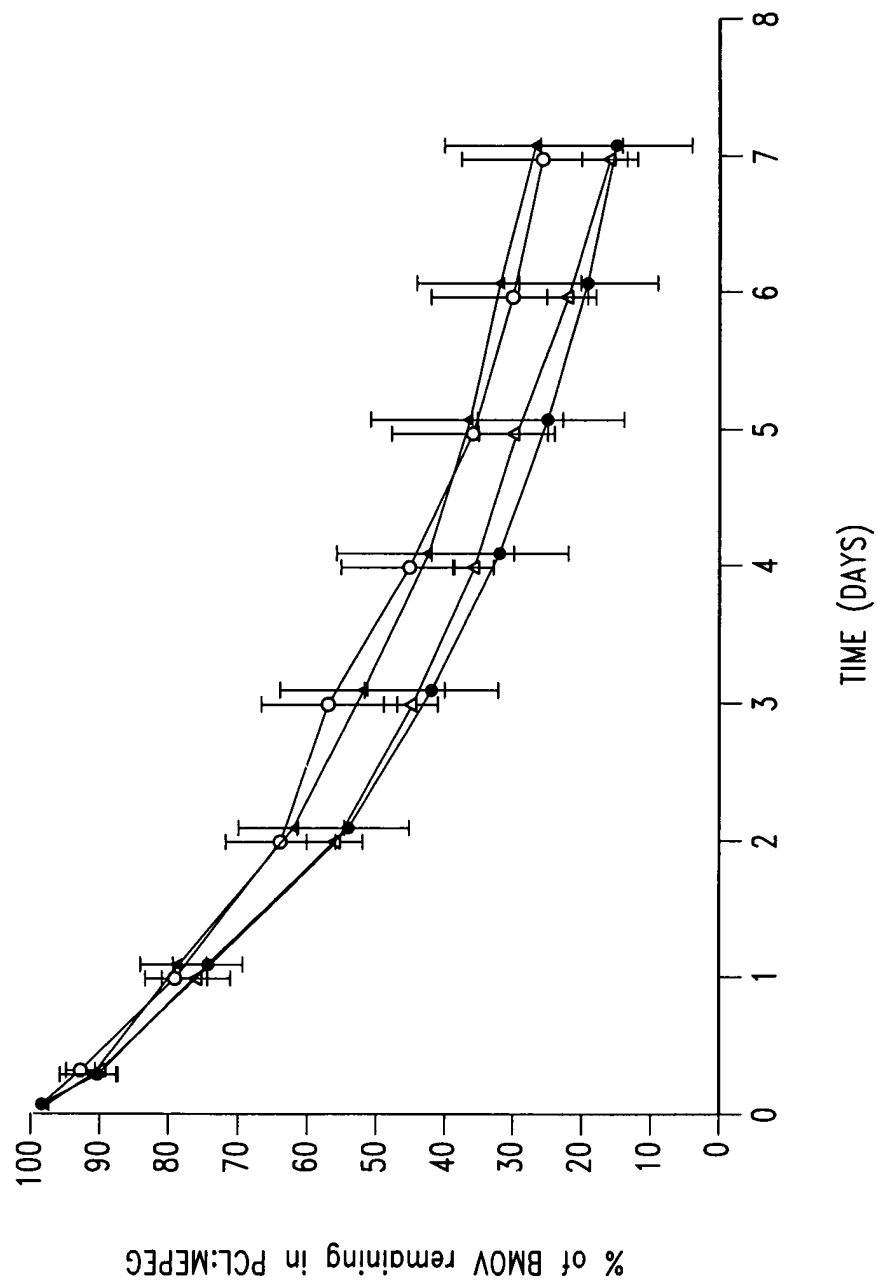
Fig. 68A

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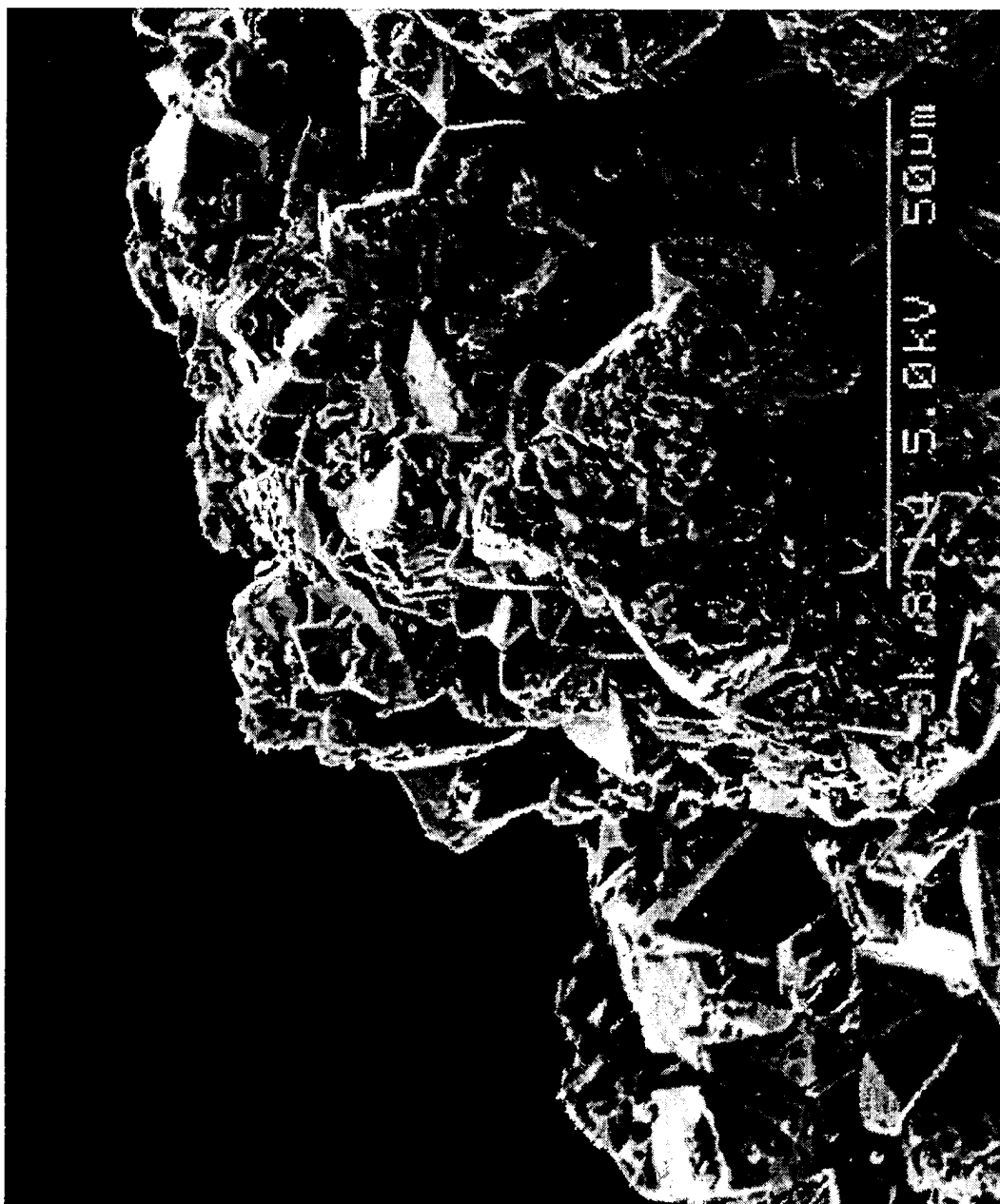
*Fig. 68B*

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*Fig. 69A*

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*Fig. 69B*

Title: COMPOSITIONS AND METHODS FOR TREATING OR PREVENTING DISEASES OF BODY PASSAGEWAYS

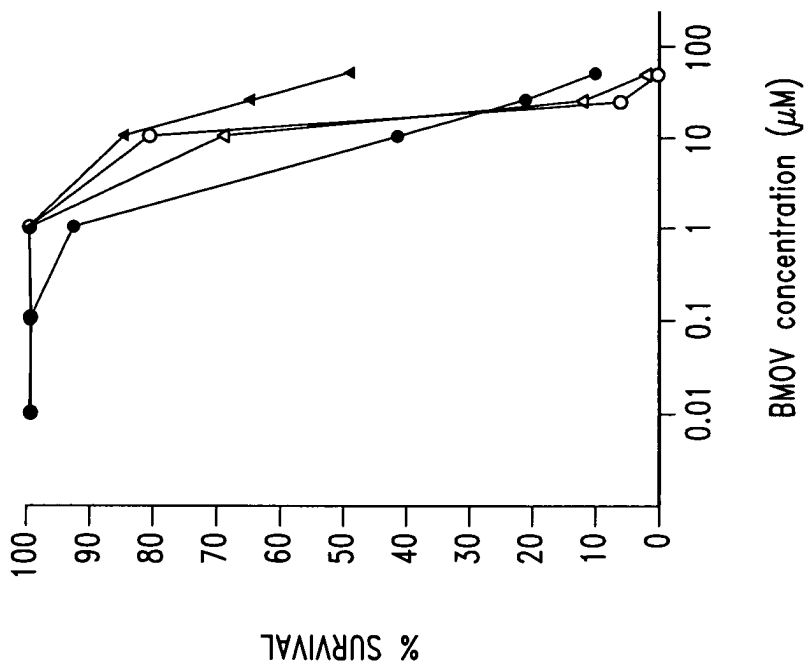
Inventor(s): William L. Hunter and Lindsay S. Machan

Express Mail No. EV348170571US

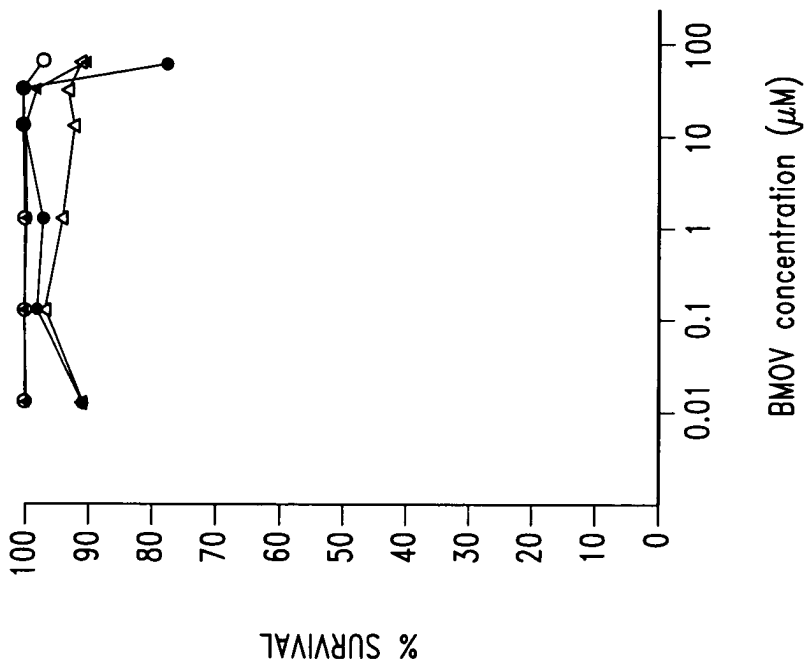
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*Fig. 69C*



*Fig. 70A*



*Fig. 70B*

## 1. Effect of BMOV loaded paste on the weights of MDAY-D2 tumours grown in mice.

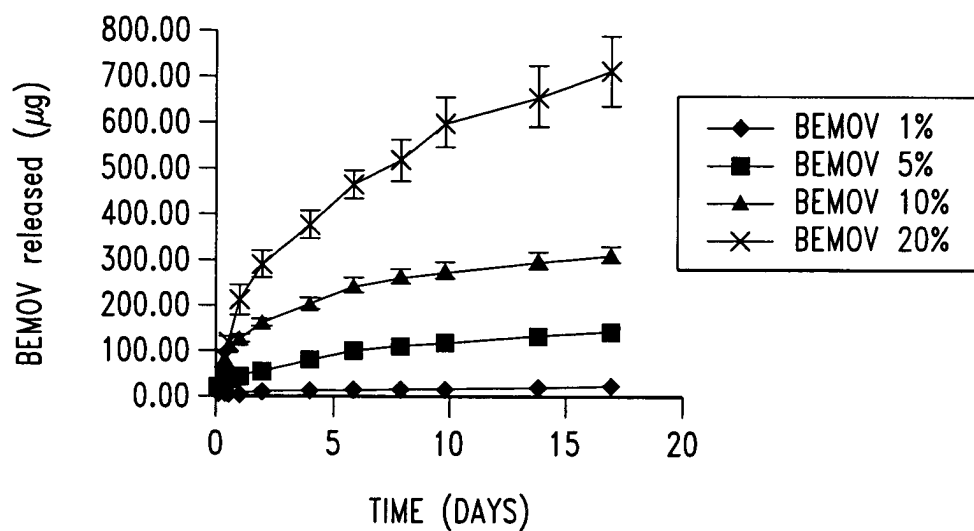
Tumor Weights (g)				
	Control	25% BMOV	30% BMOV	35% BMOV
	1.68	1.05	--	--
	1.01	0.48	--	--
	0.96	0.20	--	--
	0.91	0.14	--	--
	1.23	0.80	--	--
mean	1.16	0.53	--	--
st dev	0.32	0.39	--	--
	1.15	--	0.02	0.36
	1.12	--	0.17	0.50
	1.04	--	0.13	0.15
	2.05	--	1.40	0.69
	1.02	--	0.37	0.16
	2.25	--	0.20	0.00
mean	1.57	--	0.38	0.31
st dev	0.53	--	0.51	0.25

*Fig. 71*

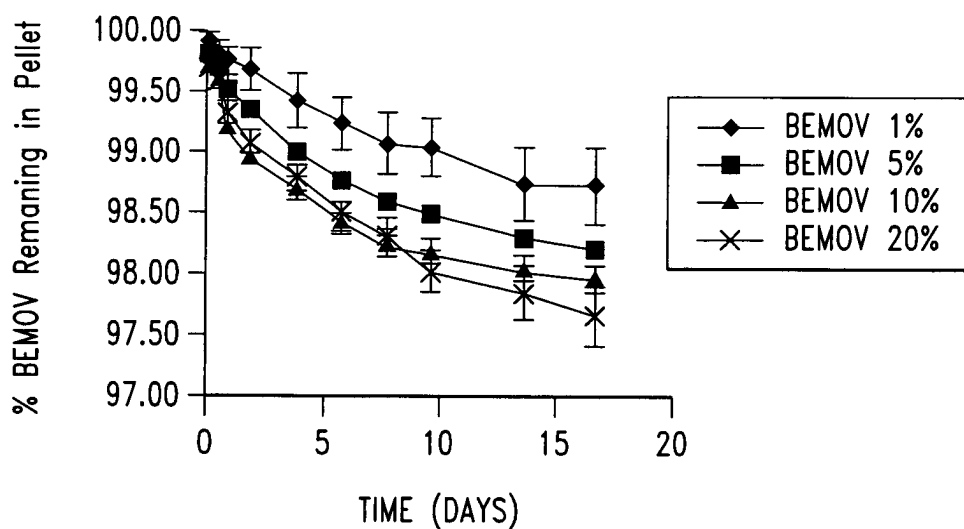
## 2. Effect of BMOV loaded PCL:MePEG paste on the weights of RIF-1 tumours grown in mice.

Tumor Weights (g)				
<u>Animal</u>	<u>Treatment</u>	<u>Day 4</u>	<u>Day 5</u>	<u>Day 6</u>
1	control	0.162	0.226	--
2	control	0.131	0.146	0.114
3	control	0.133	0.173	0.233
4	control	0.000	0.024	0.027
5	control	0.122	0.148	0.161
6	control	0.173	0.078	0.164
7-12	5% BMOV	0.000	0.000	0.000

*Fig. 72*

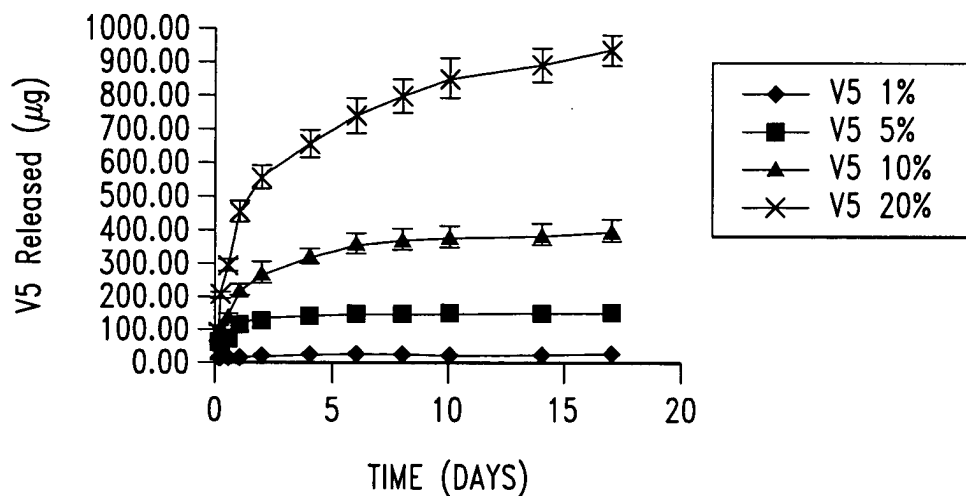


*Fig. 73A*

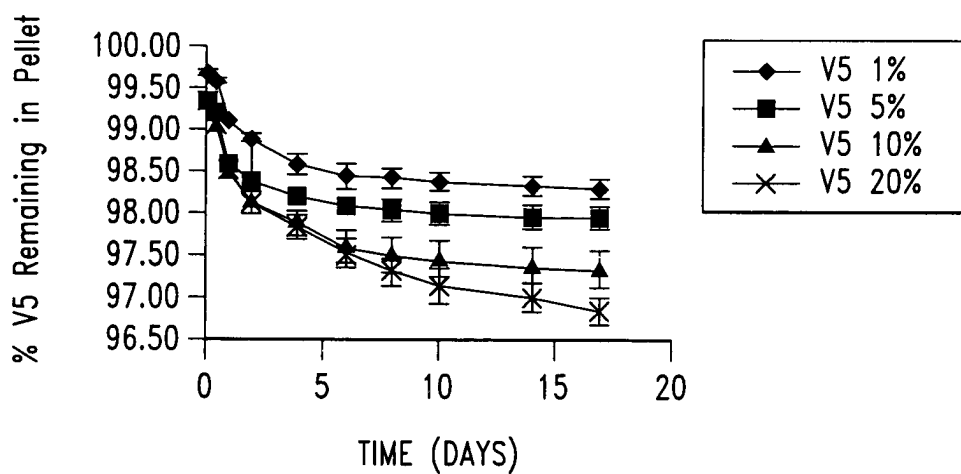


*Fig. 73B*

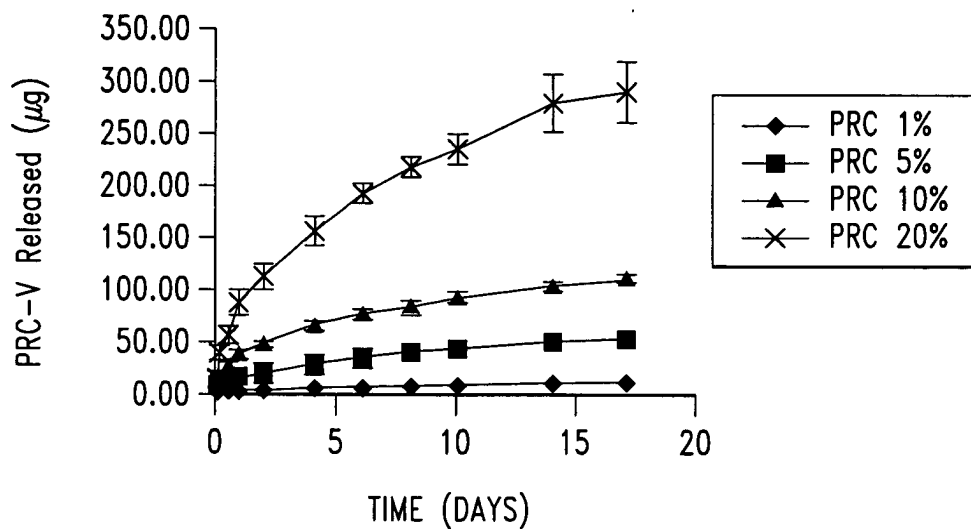




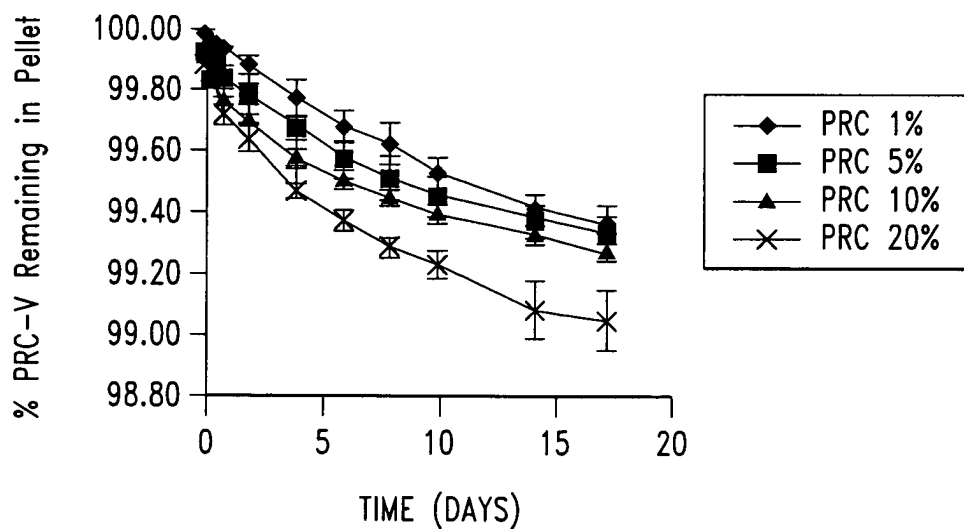
*Fig. 74A*



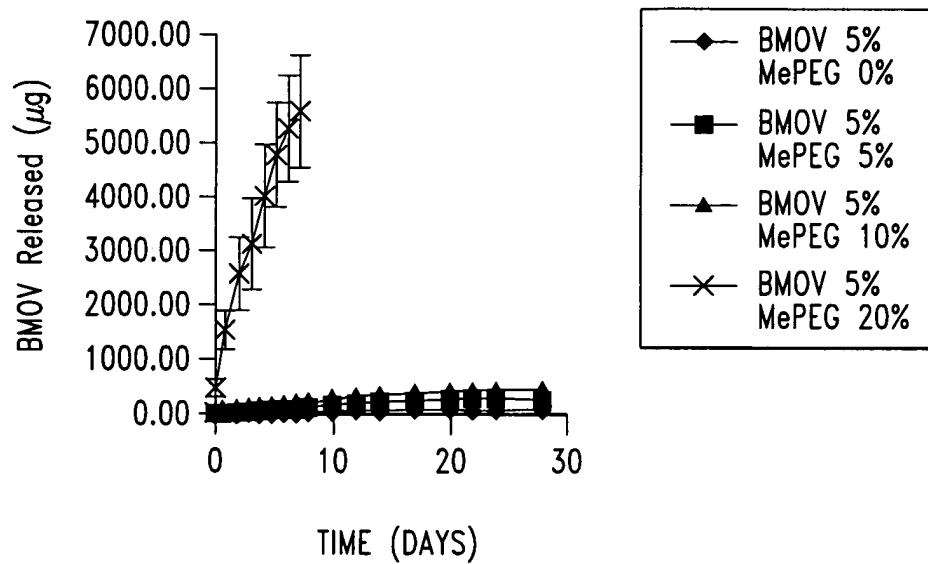
*Fig. 74B*



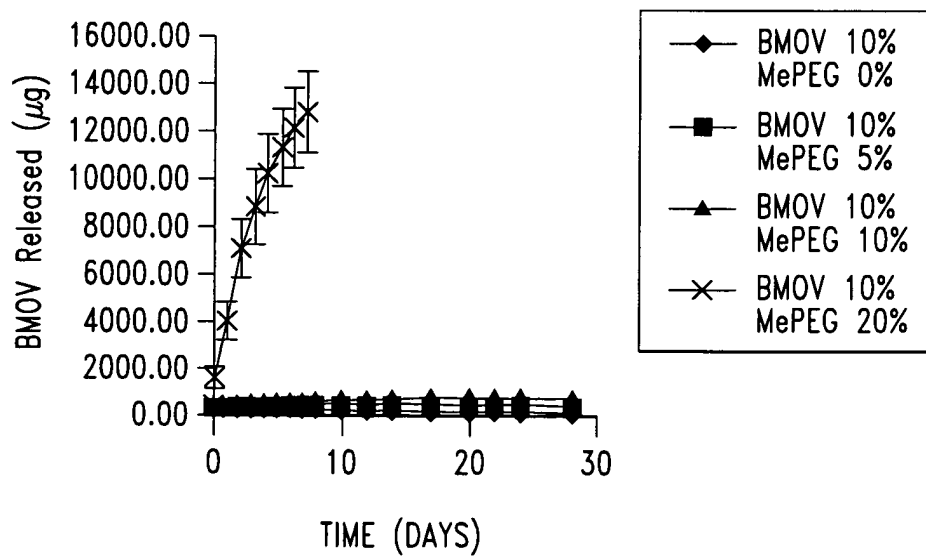
*Fig. 75A*



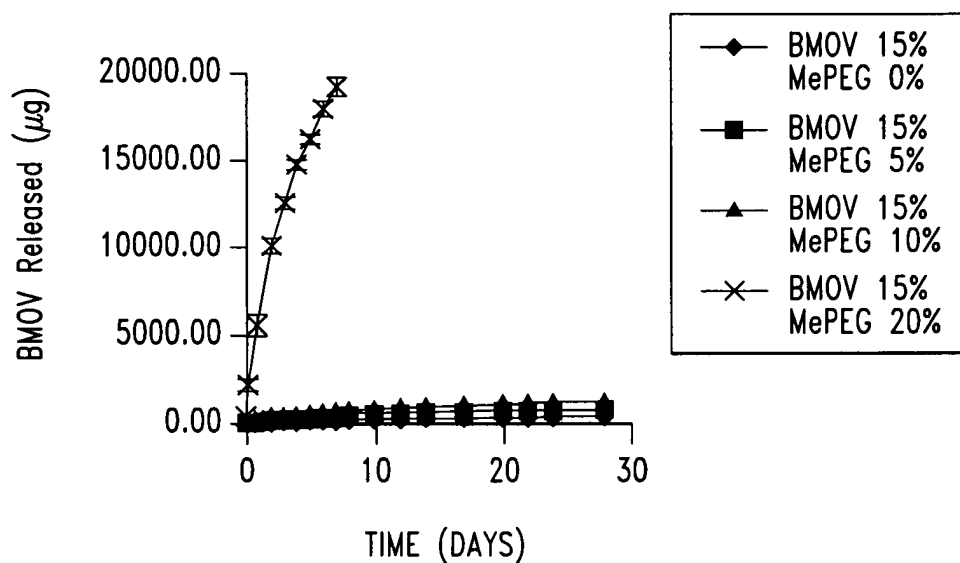
*Fig. 75B*



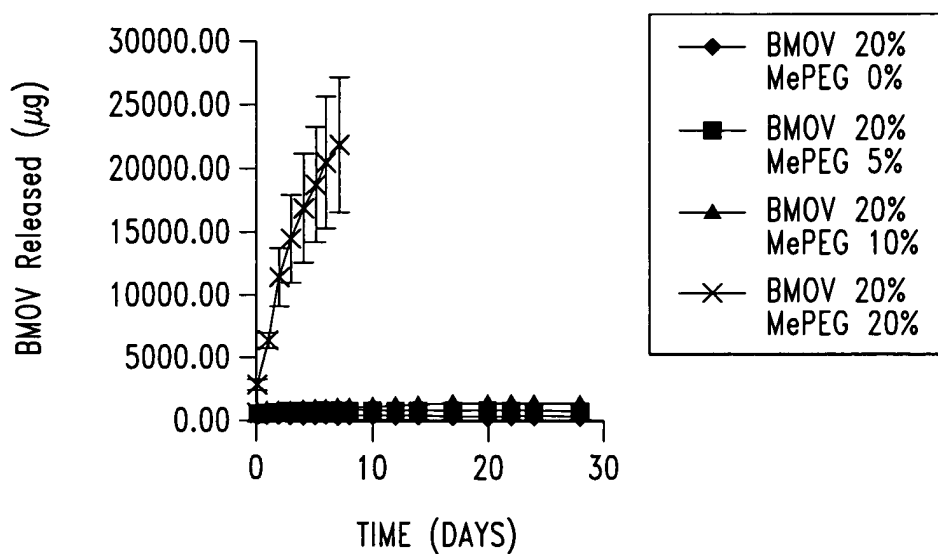
*Fig. 76A*



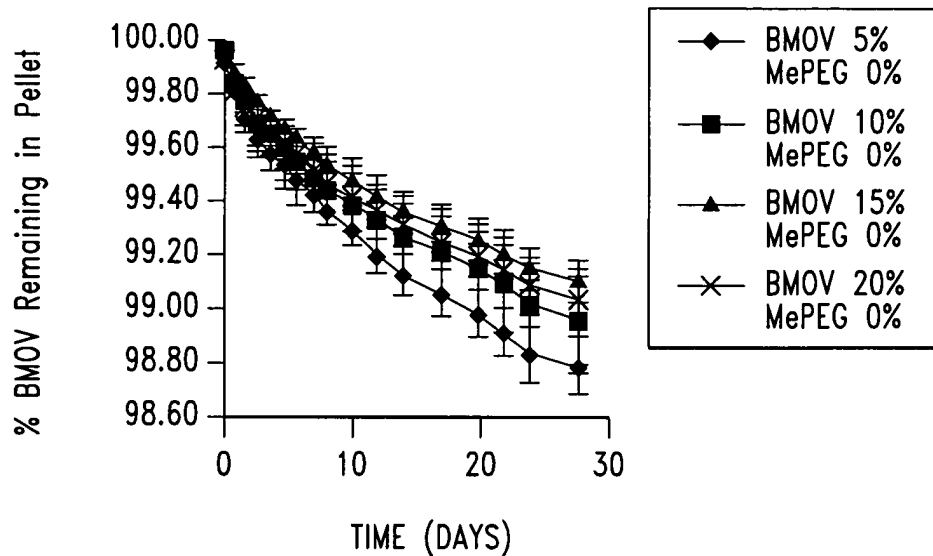
*Fig. 76B*



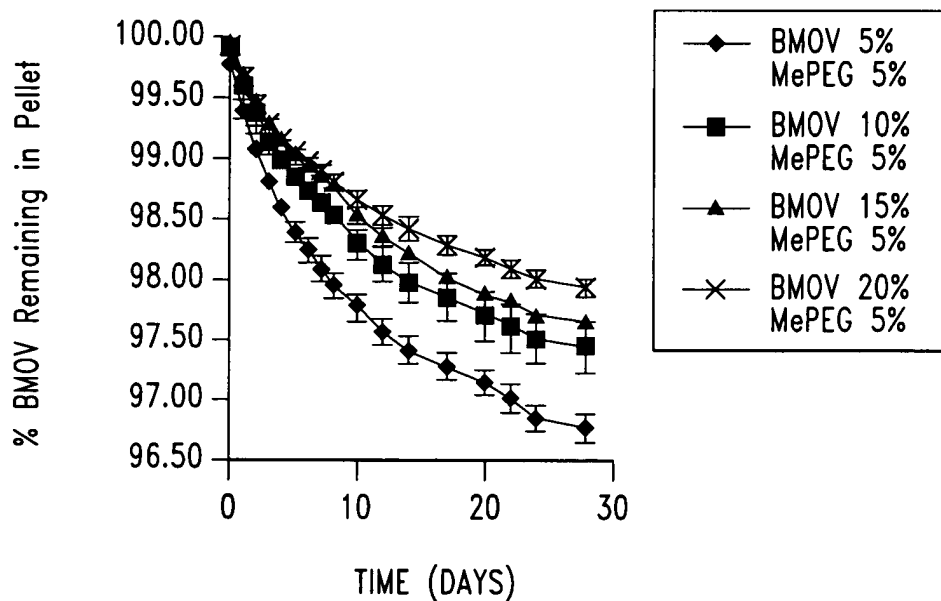
*Fig. 76C*



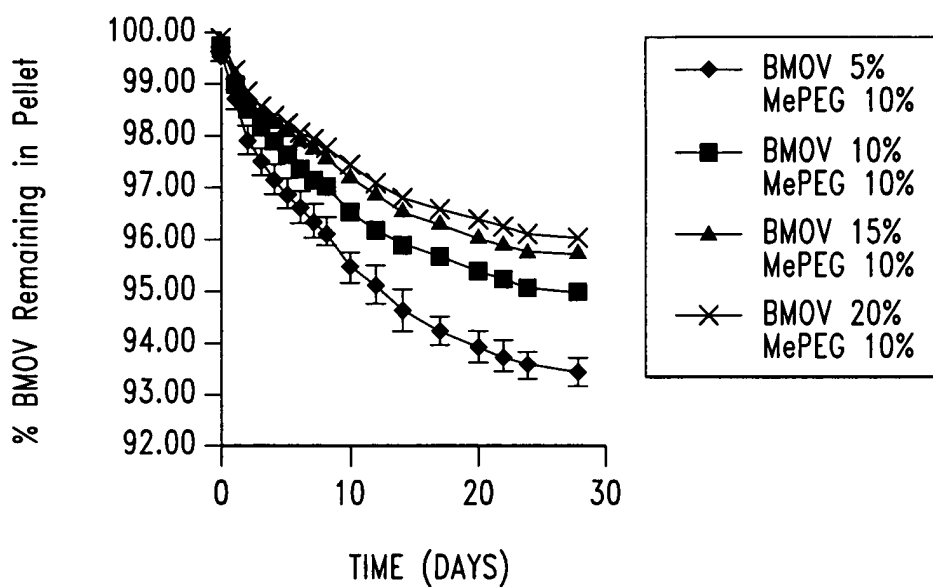
*Fig. 76D*



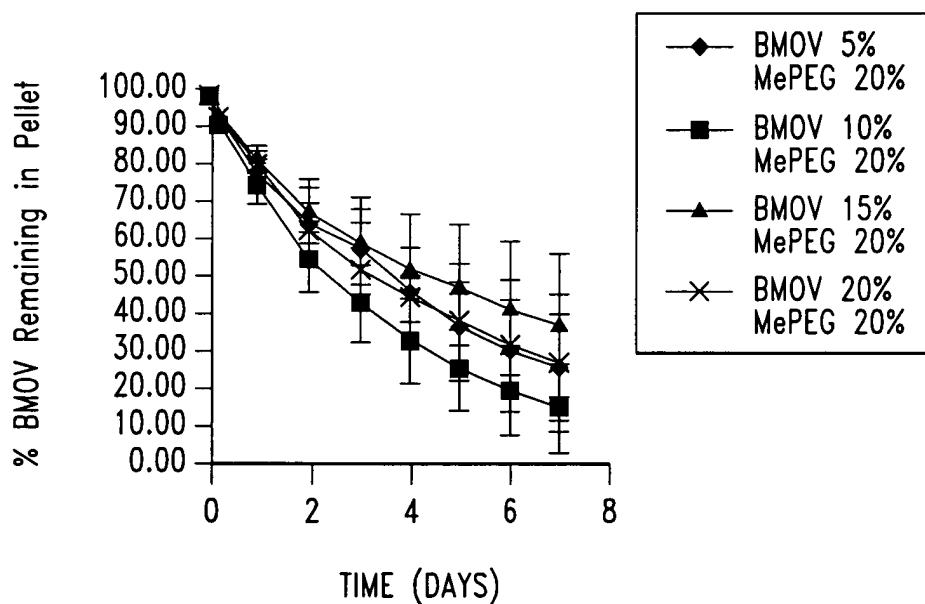
*Fig. 77A*



*Fig. 77B*



*Fig. 77C*



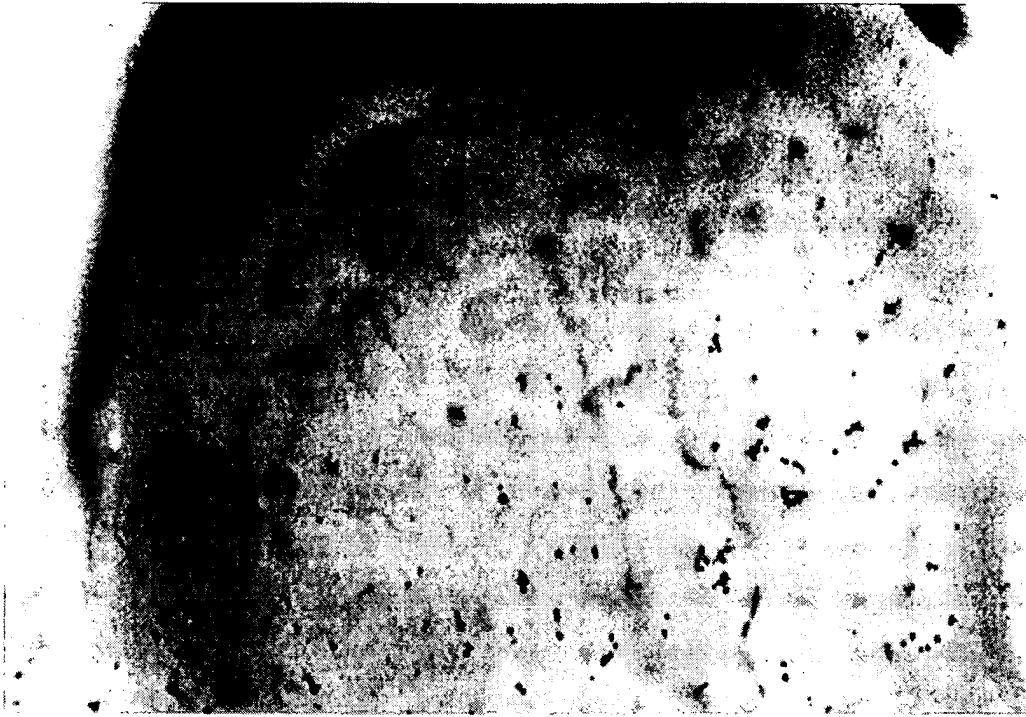
*Fig. 77D*

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Inventor(s): William L. Hunter and Lindsay S. Machan

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*Fig. 78B*



*Fig. 78A*